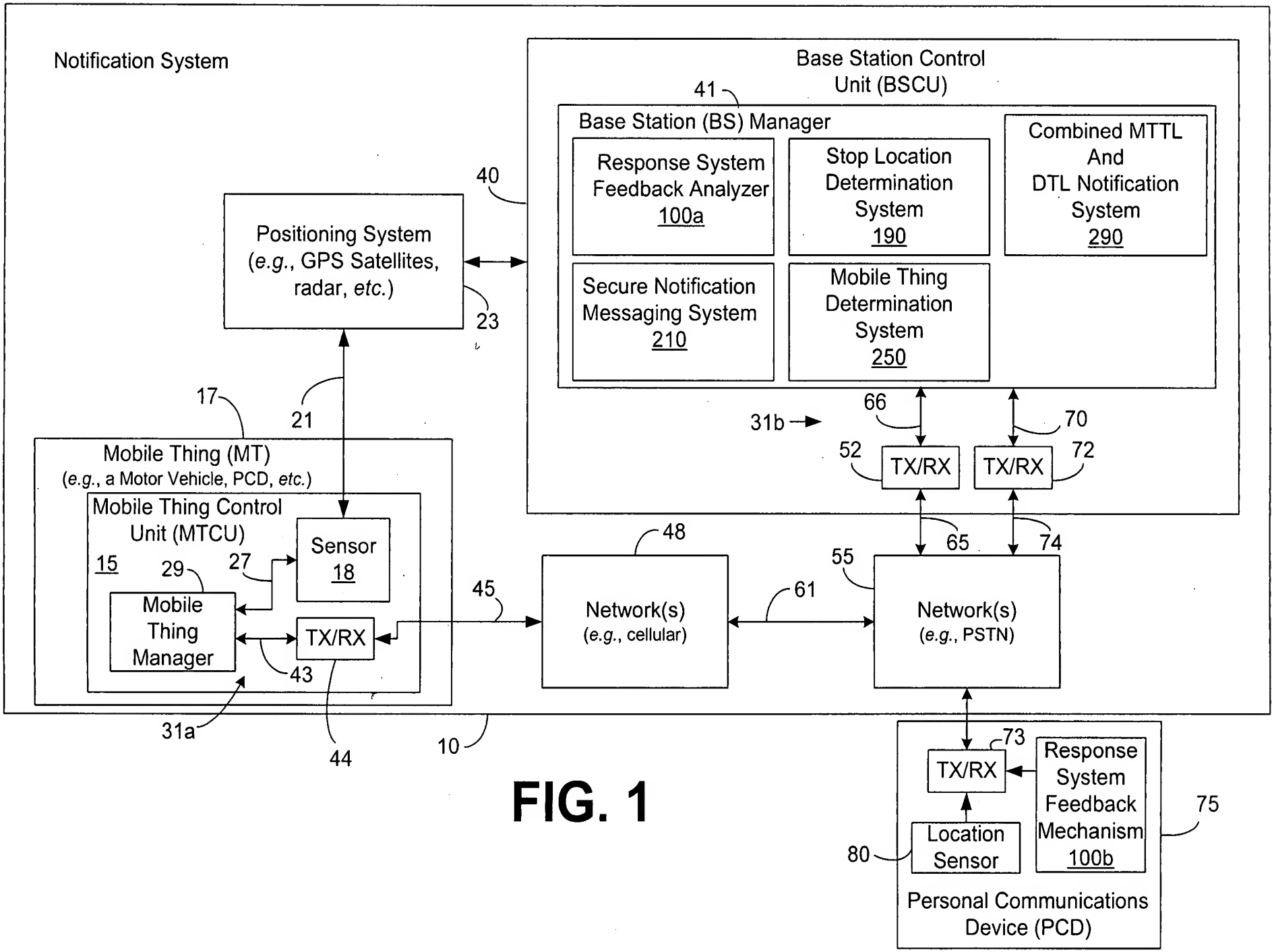

Notification System
Base Station Control Unit (BSCU)
41
Base Station (BS) Manager
Response System Feedback Analyzer 100a
Stop Location Determination System 190
Combined MTTL And DTL Notification System 290
Secure Notification Messaging System 210
Mobile Thing Determination System 250
40
Positioning System (e.g., GPS Satellites, radar, etc.)
23
17
21
31b
66
70
52
TX/RX
TX/RX
72
Mobile Thing (MT)
(e.g., a Motor Vehicle, PCD, etc.)
Mobile Thing Control Unit (MTCU)
15
29
27
Sensor 18
Mobile Thing Manager
TX/RX
43
45
48
Network(s) (e.g., cellular)
61
55
Network(s) (e.g., PSTN)
65
74
31a
44
10
73
TX/RX
Response System Feedback Mechanism 100b
75
80
Location Sensor
Personal Communications Device (PCD)

FIG. 1

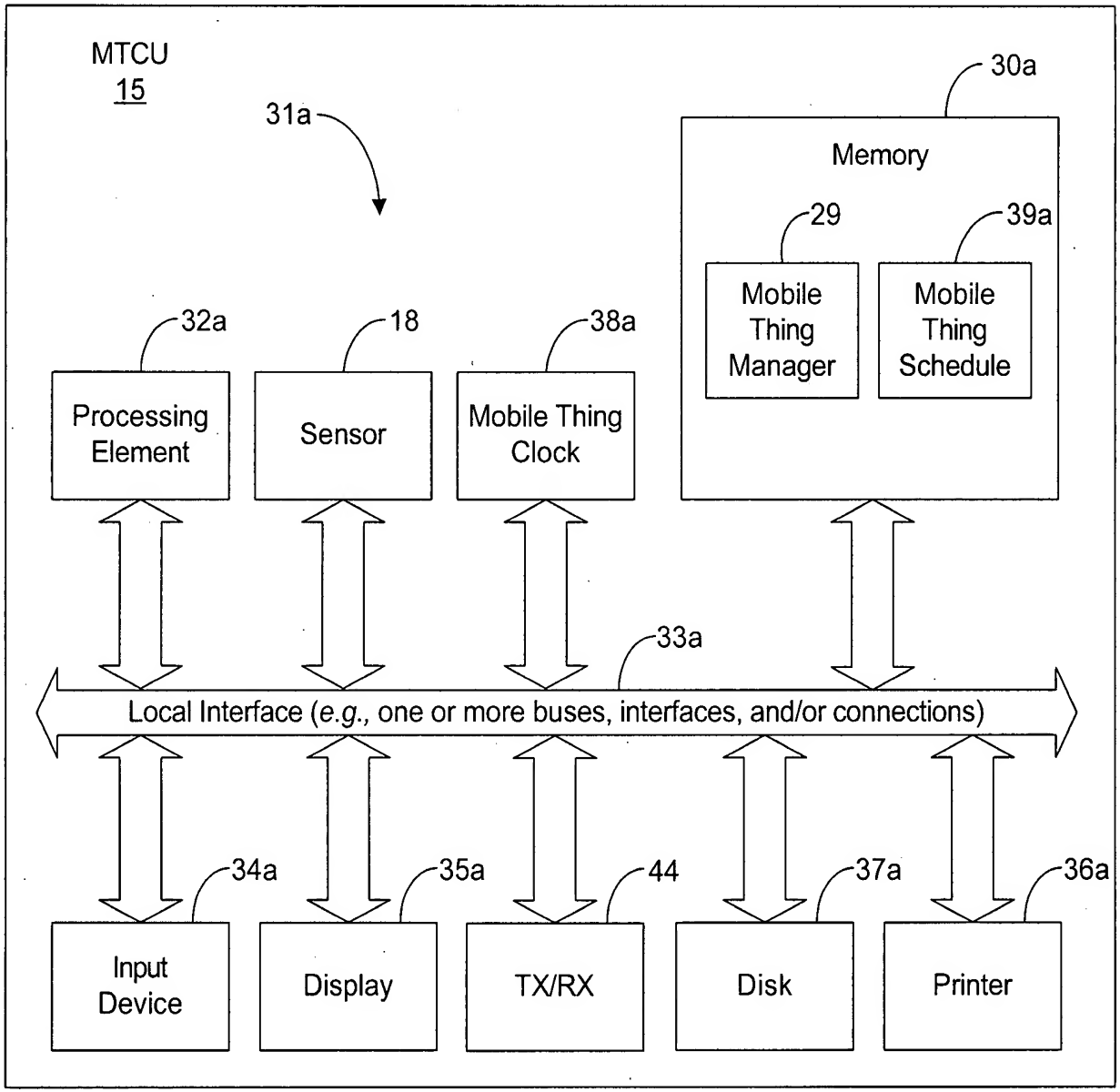

MTCU
15
31a
30a
Memory
29
39a
Mobile Thing Manager
Mobile Thing Schedule
32a
18
38a
Processing Element
Sensor
Mobile Thing Clock
33a
Local Interface (e.g., one or more buses, interfaces, and/or connections)
34a
35a
44
37a
36a
Input Device
Display
TX/RX
Disk
Printer

FIG. 2

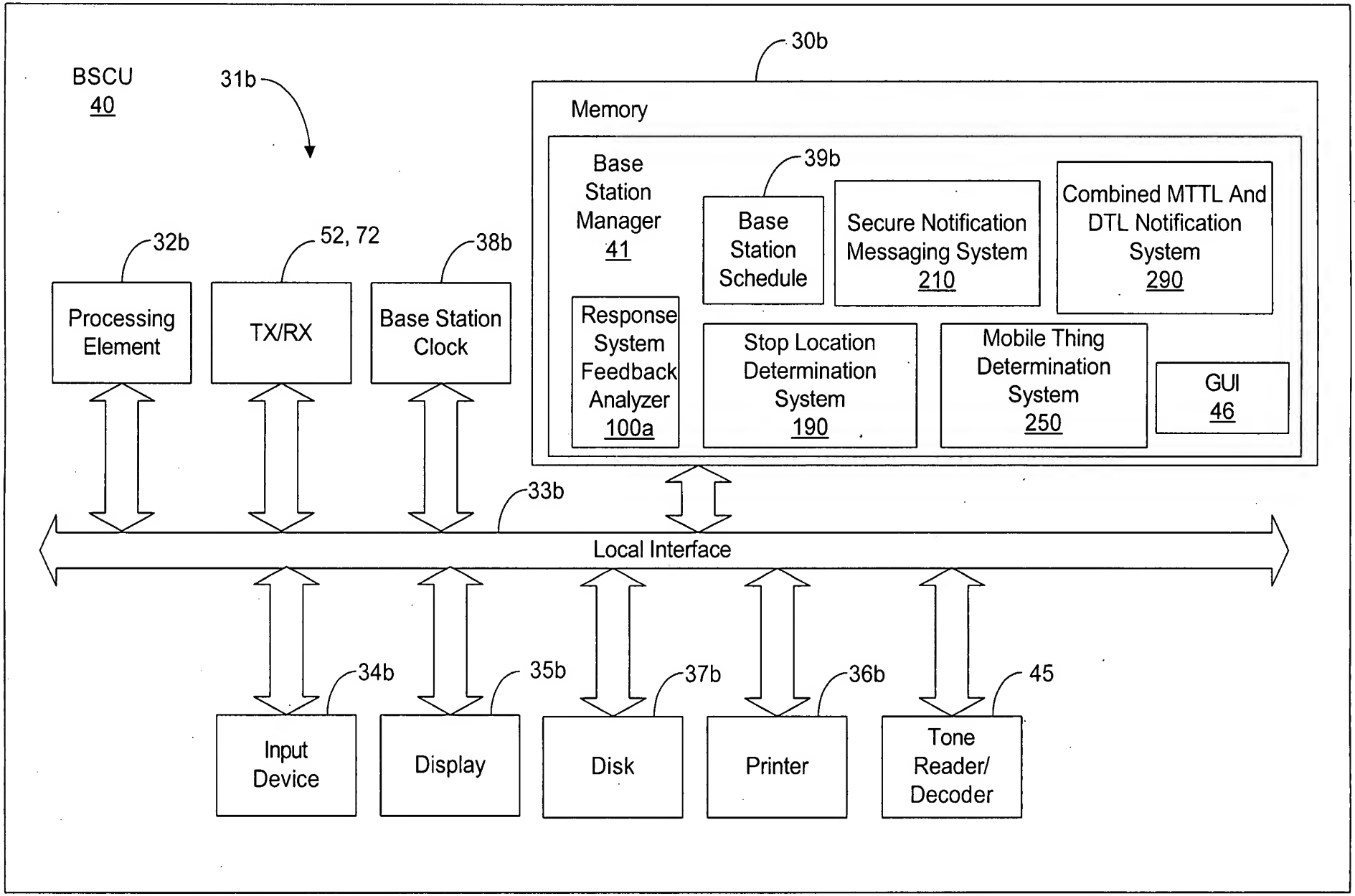

BSCU
40
31b
30b
Memory
Base Station Manager
41
39b
Base Station Schedule
Secure Notification Messaging System
210
Combined MTTL And DTL Notification System
290
Response System Feedback Analyzer
100a
Stop Location Determination System
190
Mobile Thing Determination System
250
GUI
46
32b
52, 72
38b
Processing Element
TX/RX
Base Station Clock
33b
Local Interface
34b
35b
37b
36b
45
Input Device
Display
Disk
Printer
Tone Reader/ Decoder

FIG. 3

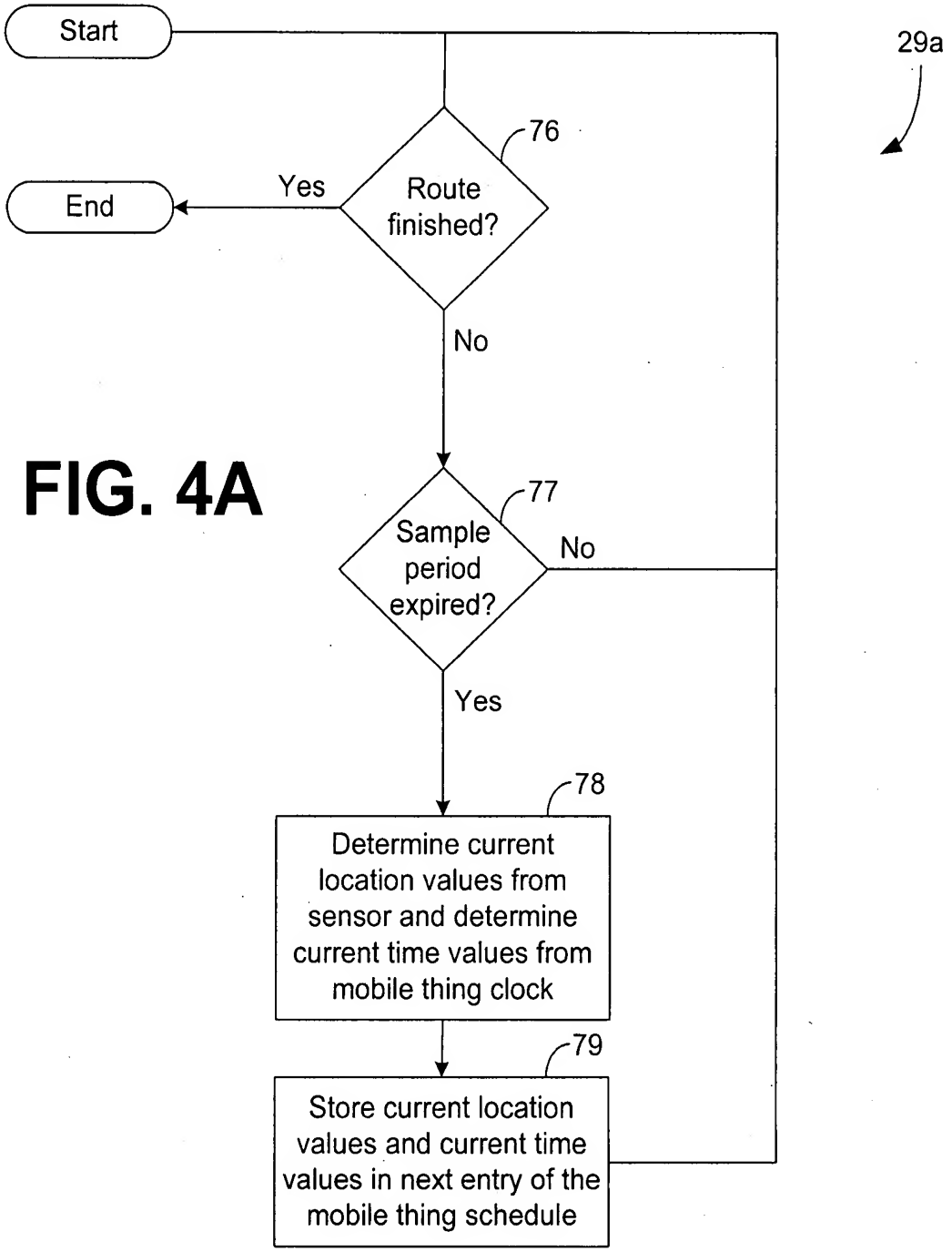

Start
29a
76
Route finished?
Yes
End
No
77
Sample period expired?
No
Yes
78
Determine current location values from sensor and determine current time values from mobile thing clock
79
Store current location values and current time values in next entry of the mobile thing schedule

FIG. 4A

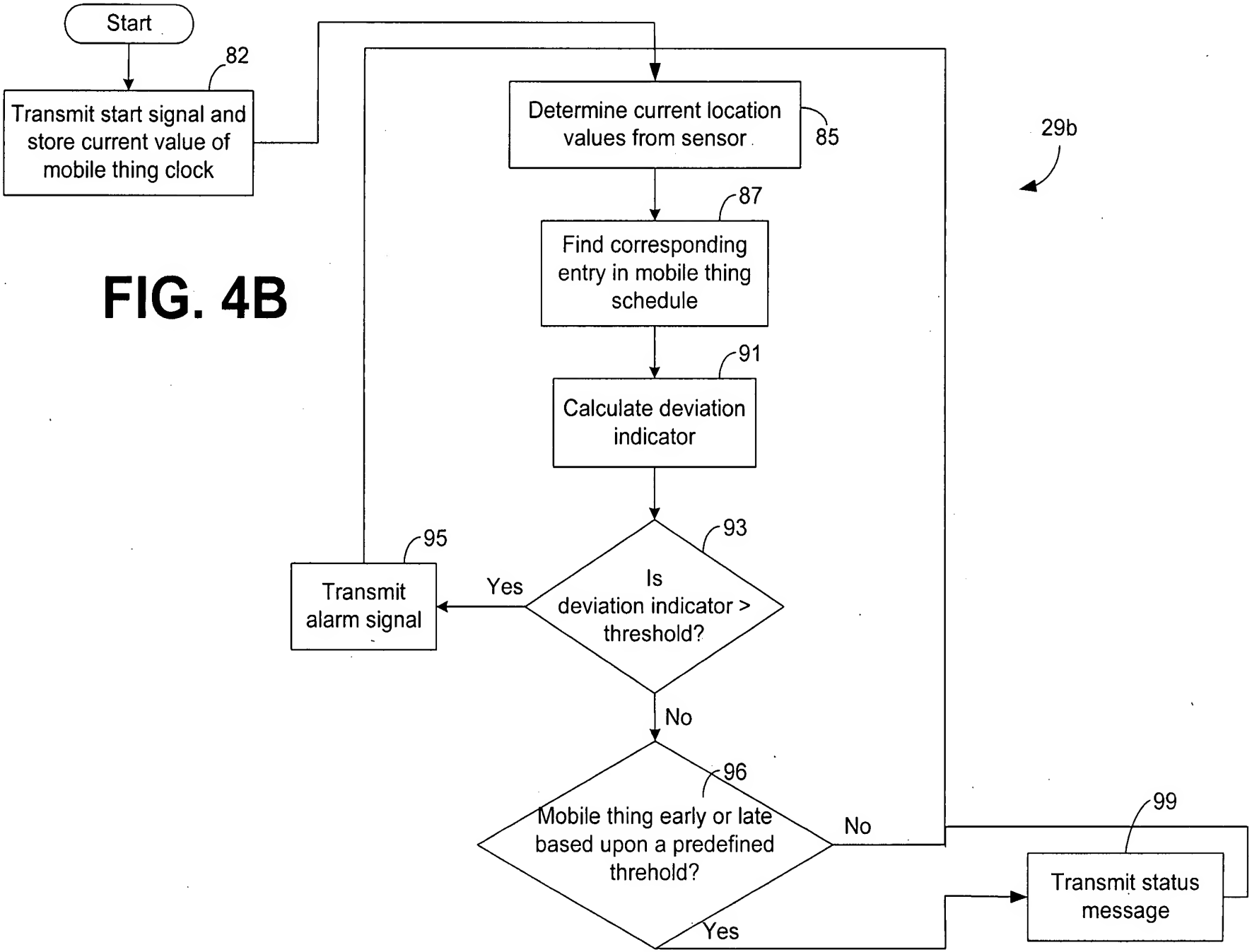

Start
82
Transmit start signal and store current value of mobile thing clock
Determine current location values from sensor
85
29b
87
Find corresponding entry in mobile thing schedule
91
Calculate deviation indicator
93
Is deviation indicator > threshold?
Yes
95
Transmit alarm signal
No
96
Mobile thing early or late based upon a predefined threhold?
No
Yes
99
Transmit status message

FIG. 4B

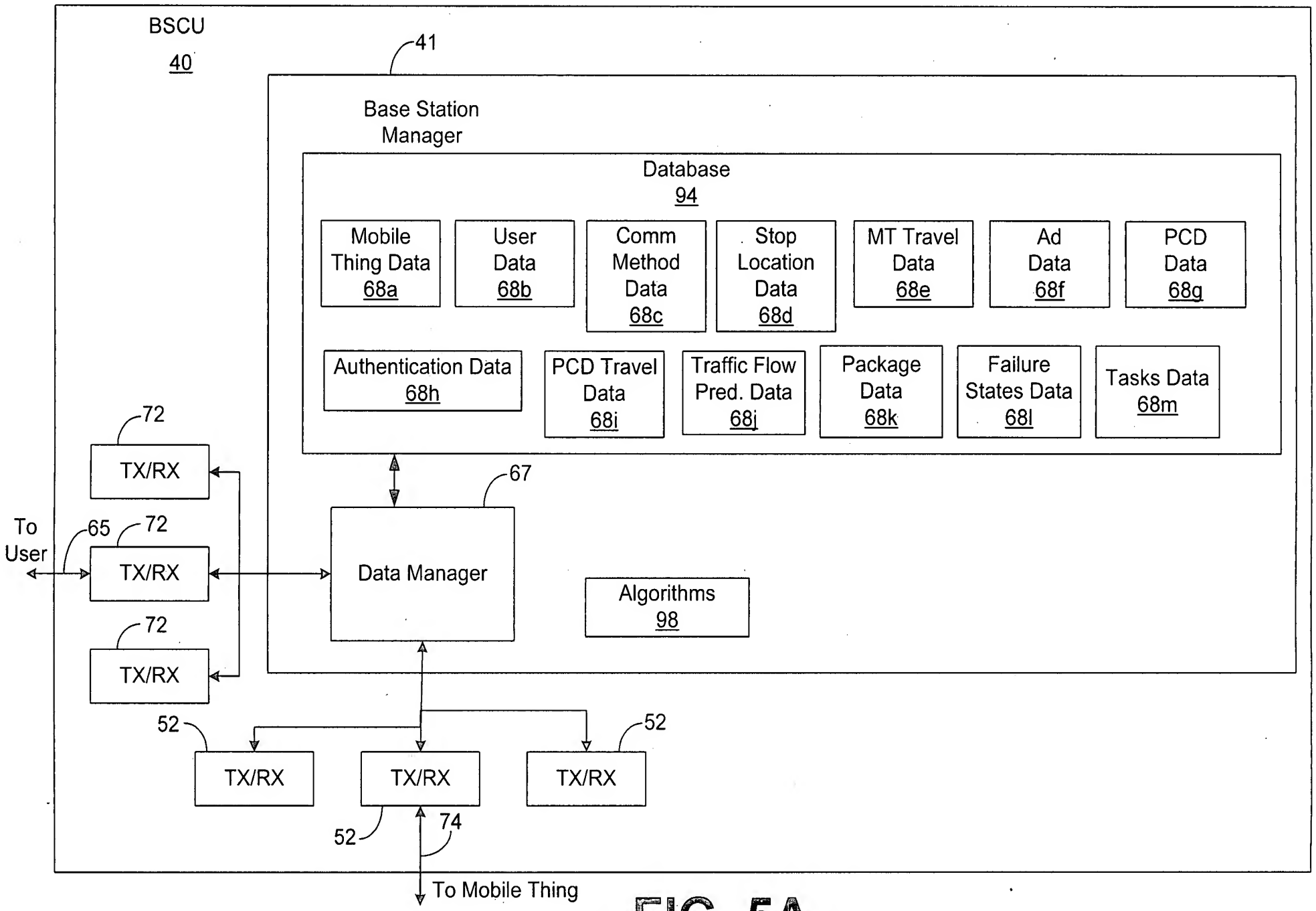

BSCU
40
41
Base Station Manager
Database
94
Mobile Thing Data 68a
User Data 68b
Comm Method Data 68c
Stop Location Data 68d
MT Travel Data 68e
Ad Data 68f
PCD Data 68g
Authentication Data 68h
PCD Travel Data 68i
Traffic Flow Pred. Data 68j
Package Data 68k
Failure States Data 68l
Tasks Data 68m
72
TX/RX
67
To User
65
72
TX/RX
Data Manager
Algorithms 98
72
TX/RX
52
52
TX/RX
TX/RX
TX/RX
52
74
To Mobile Thing

FIG. 5A

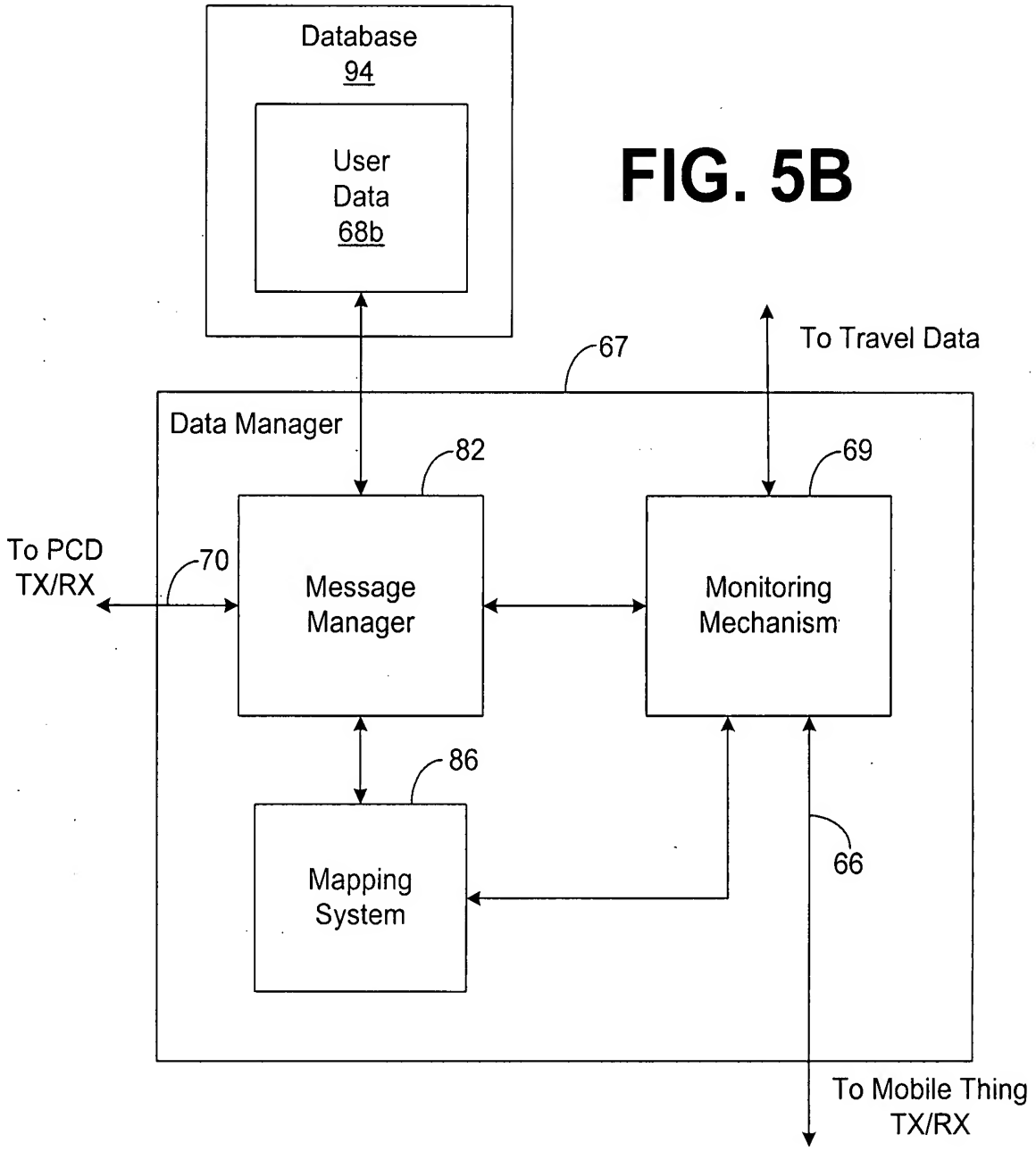

Database
94
User
Data
68b
67
To Travel Data
Data Manager
82
69
To PCD
TX/RX
70
Message
Manager
Monitoring
Mechanism
86
Mapping
System
66
To Mobile Thing
TX/RX

FIG. 5B

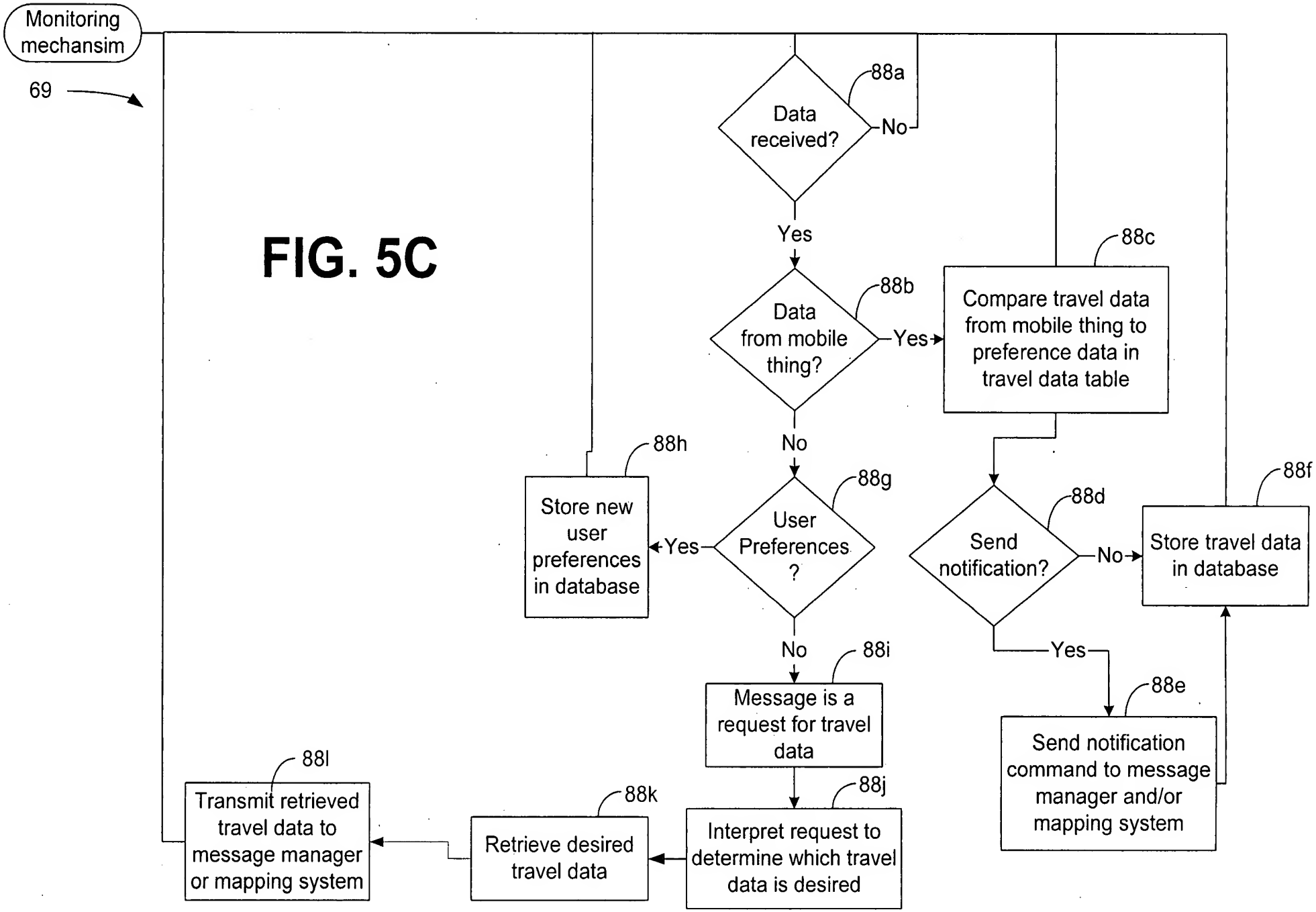
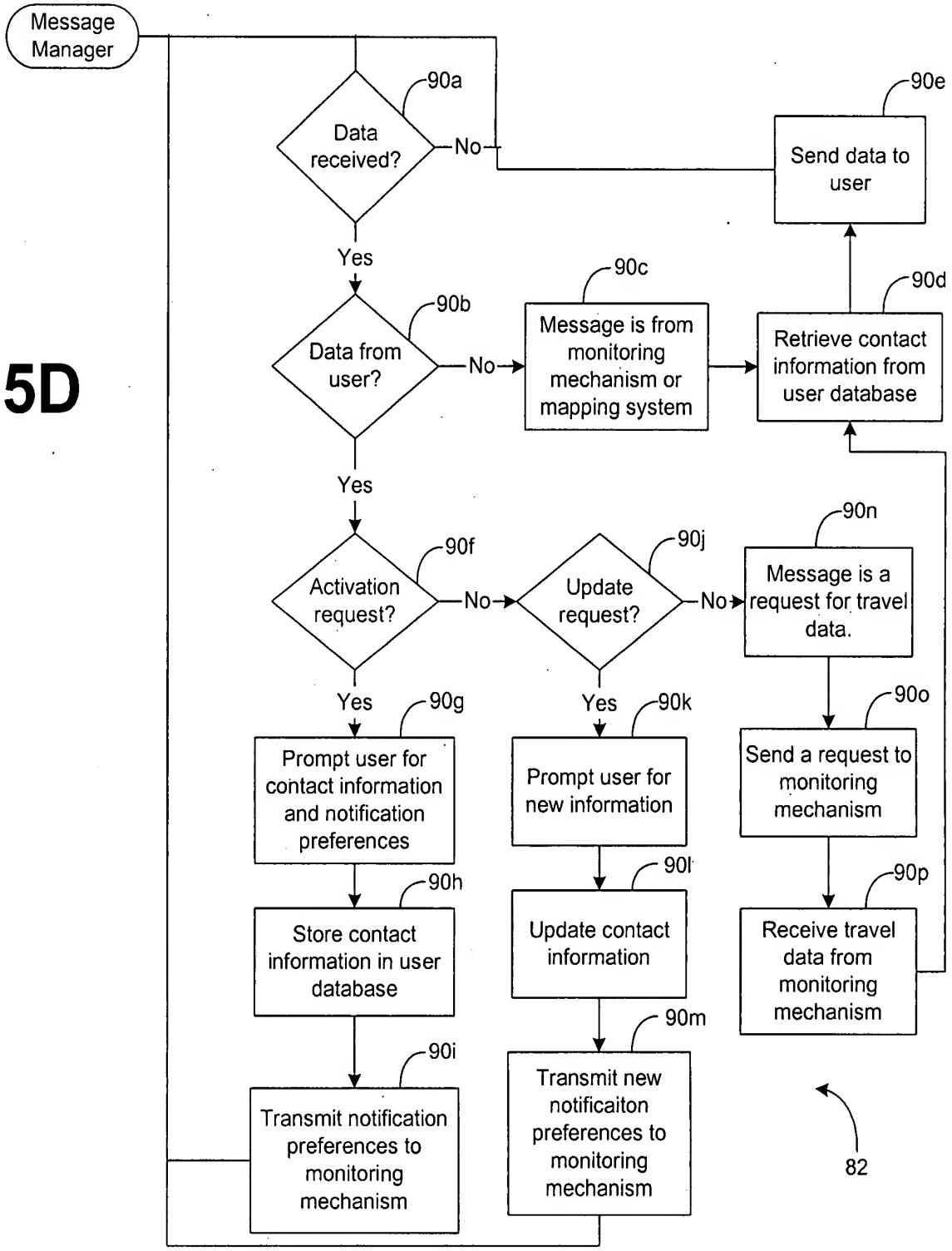

Monitoring mechansim
69
88a
Data received?
No
Yes
88b
Data from mobile thing?
Yes
88c
Compare travel data from mobile thing to preference data in travel data table
No
88h
Store new user preferences in database
88g
User Preferences ?
Yes
88d
Send notification?
No
88f
Store travel data in database
Yes
No
88i
Message is a request for travel data
88e
Send notification command to message manager and/or mapping system
88j
Interpret request to determine which travel data is desired
88k
Retrieve desired travel data
88l
Transmit retrieved travel data to message manager or mapping system

FIG. 5C

FIG. 5D


Message Manager
Data received?
90a
No
Yes
Send data to user
90e
Data from user?
90b
No
Message is from monitoring mechanism or mapping system
90c
Retrieve contact information from user database
90d
Yes
Activation request?
90f
No
Update request?
90j
No
Message is a request for travel data.
90n
Yes
Prompt user for contact information and notification preferences
90g
Yes
Prompt user for new information
90k
Send a request to monitoring mechanism
90o
Store contact information in user database
90h
Update contact information
90l
Receive travel data from monitoring mechanism
90p
Transmit notification preferences to monitoring mechanism
90i
Transmit new notificaiton preferences to monitoring mechanism
90m
82

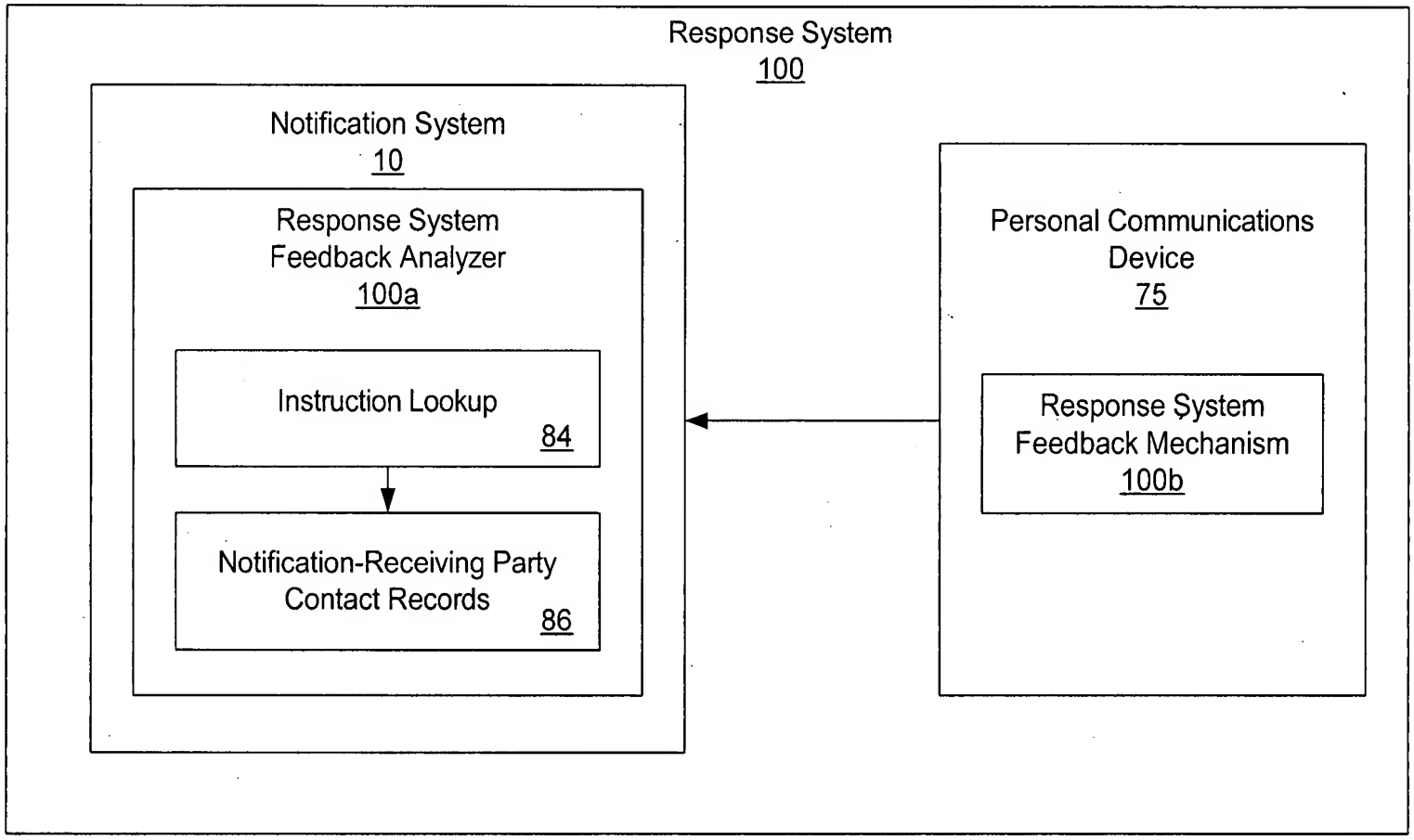

Response System
100
Notification System
10
Response System
Feedback Analyzer
100a
Instruction Lookup
84
Notification-Receiving Party
Contact Records
86
Personal Communications
Device
75
Response System
Feedback Mechanism
100b

FIG. 6

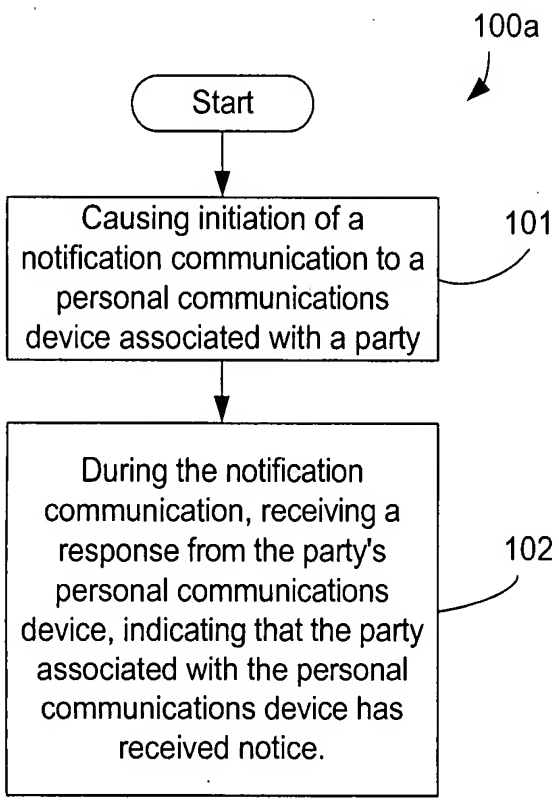


FIG. 7A

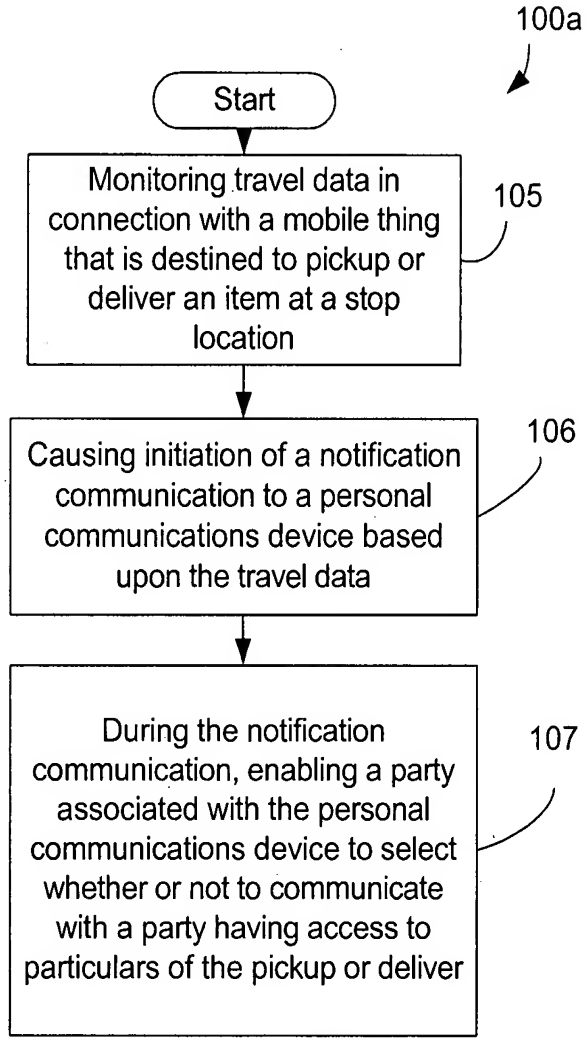


FIG. 7B

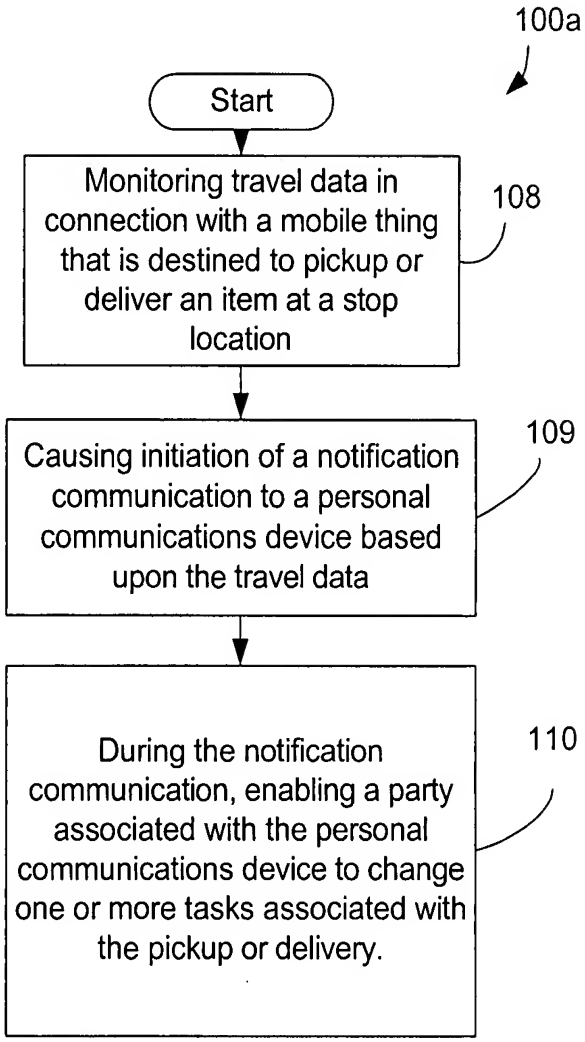


FIG. 7C

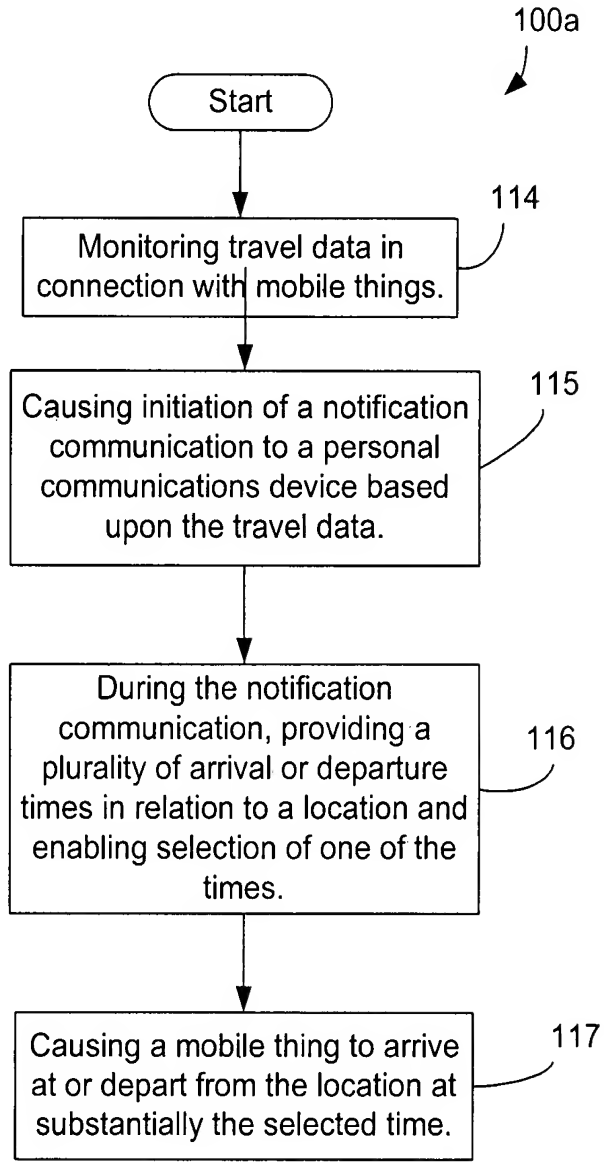

100a
Start
114
Monitoring travel data in connection with mobile things.
115
Causing initiation of a notification communication to a personal communications device based upon the travel data.
116
During the notification communication, providing a plurality of arrival or departure times in relation to a location and enabling selection of one of the times.
117
Causing a mobile thing to arrive at or depart from the location at substantially the selected time.

FIG. 7D

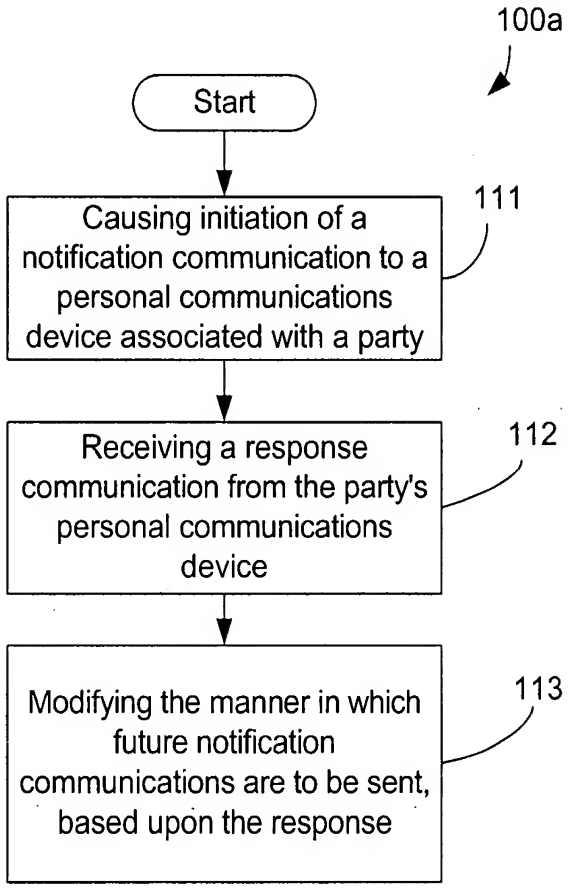

100a
Start
Causing initiation of a notification communication to a personal communications device associated with a party
111
Receiving a response communication from the party's personal communications device
112
Modifying the manner in which future notification communications are to be sent, based upon the response
113

FIG. 8

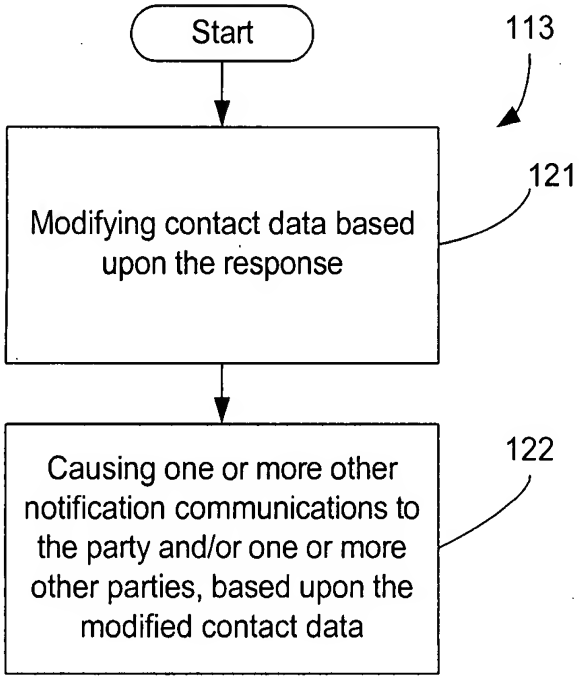


FIG. 9A

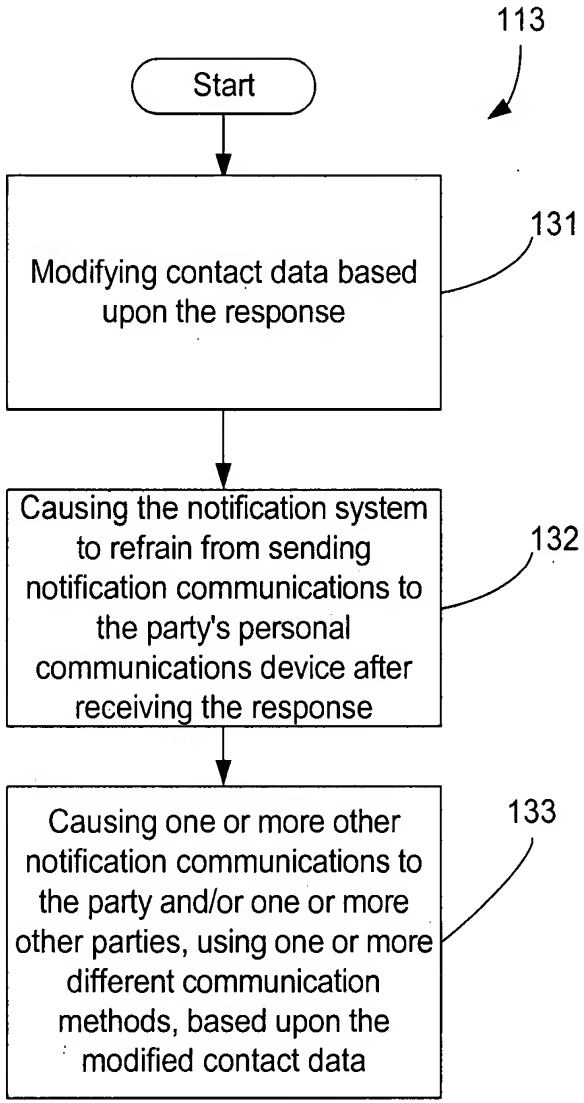


FIG. 9B

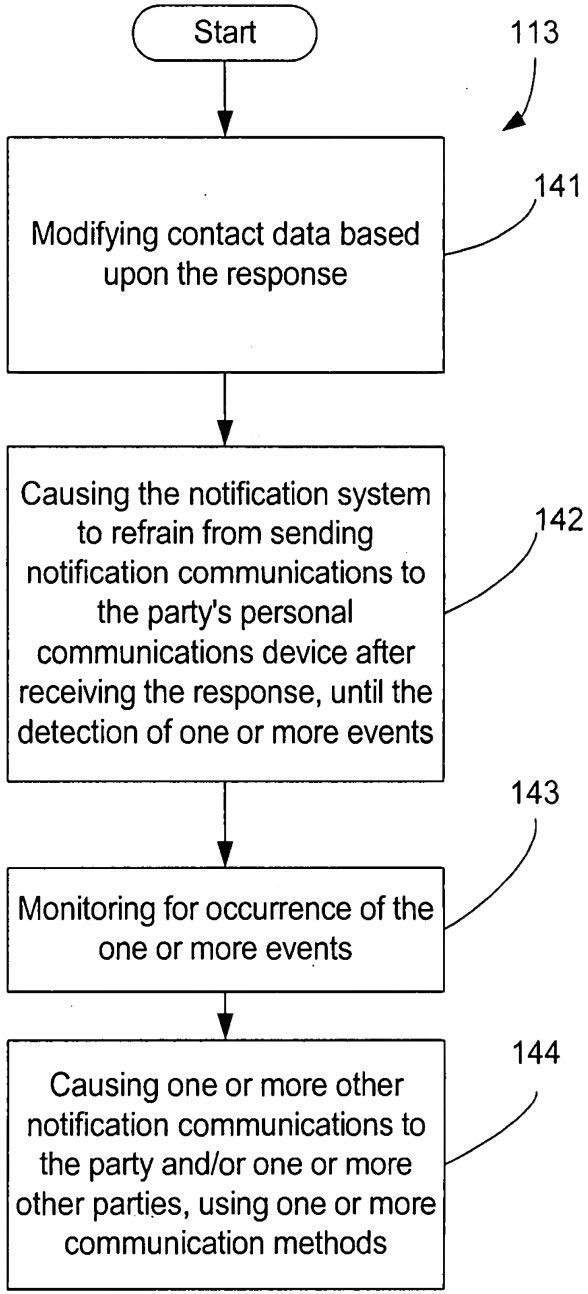


FIG. 9C

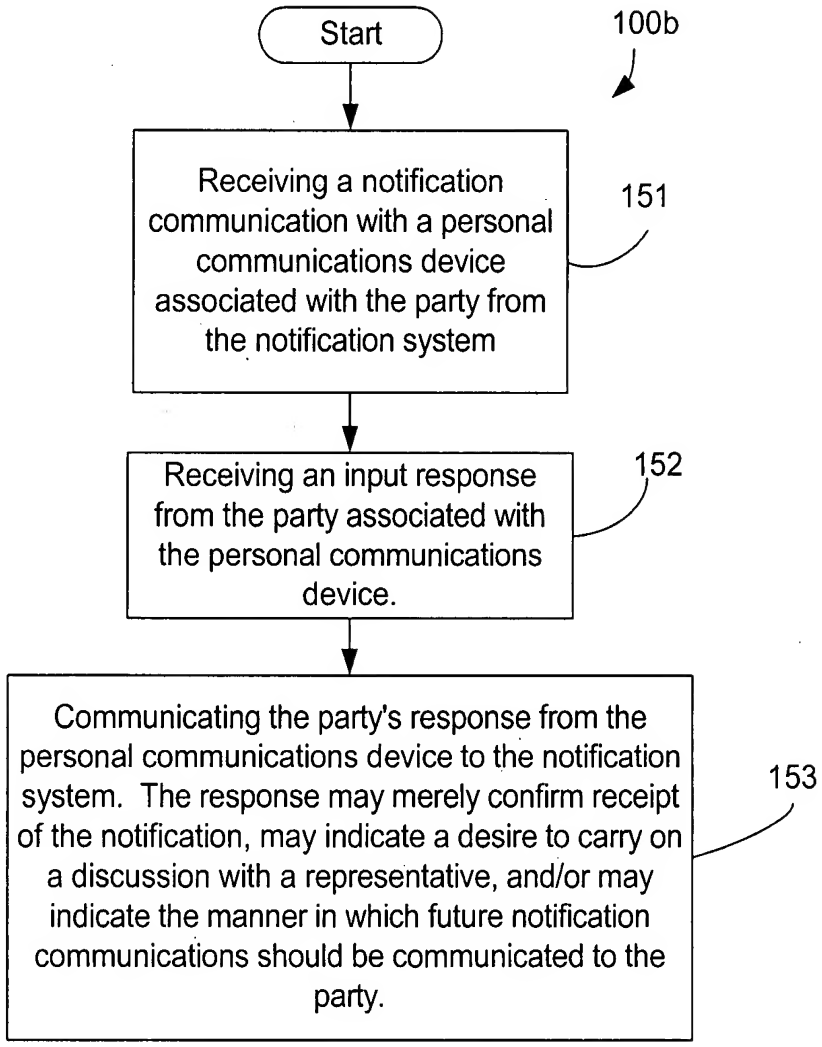

Start
100b
Receiving a notification communication with a personal communications device associated with the party from the notification system
151
Receiving an input response from the party associated with the personal communications device.
152
Communicating the party's response from the personal communications device to the notification system. The response may merely confirm receipt of the notification, may indicate a desire to carry on a discussion with a representative, and/or may indicate the manner in which future notification communications should be communicated to the party.
153

FIG. 10

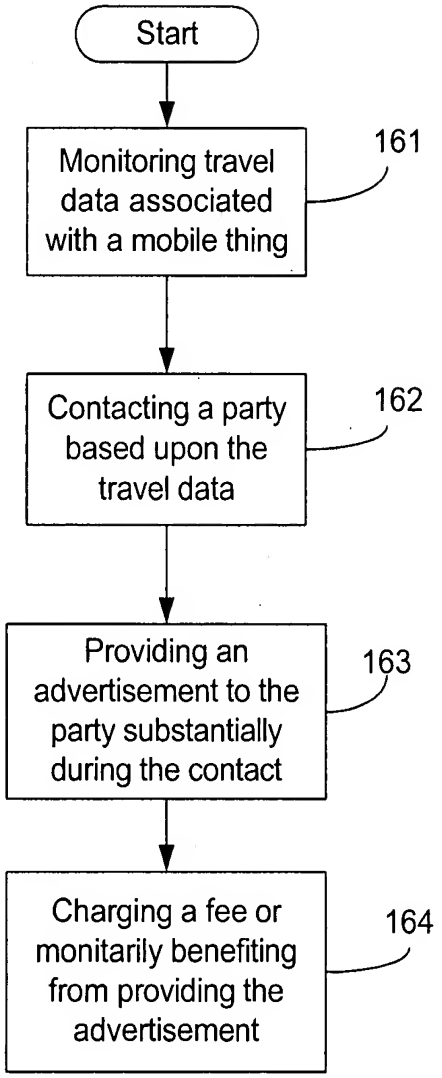

Start
Monitoring travel data associated with a mobile thing
161
Contacting a party based upon the travel data
162
Providing an advertisement to the party substantially during the contact
163
Charging a fee or monitarily benefiting from providing the advertisement
164

FIG. 11

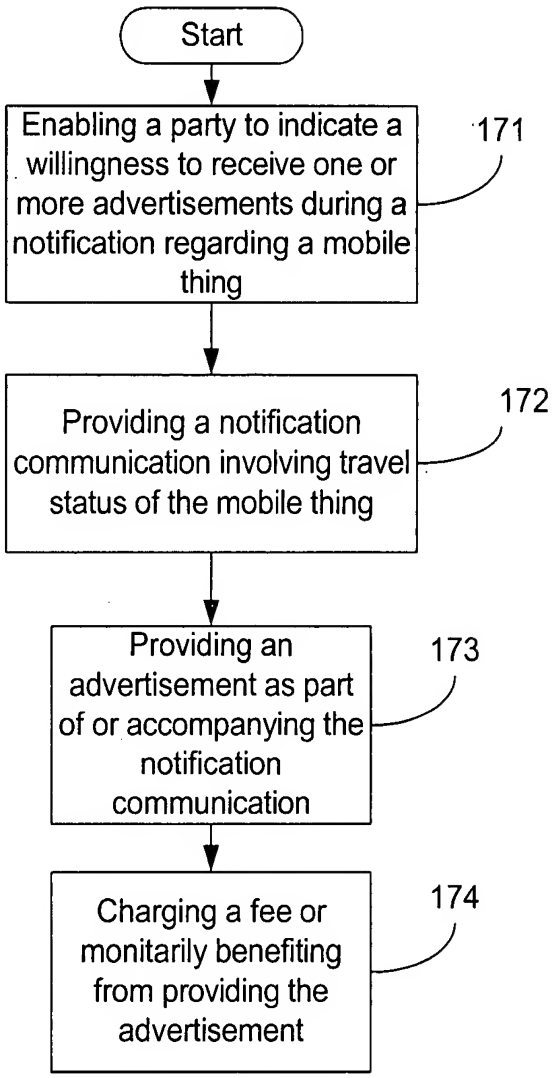

Start
Enabling a party to indicate a willingness to receive one or more advertisements during a notification regarding a mobile thing
171
Providing a notification communication involving travel status of the mobile thing
172
Providing an advertisement as part of or accompanying the notification communication
173
Charging a fee or monitarily benefiting from providing the advertisement
174

FIG. 12

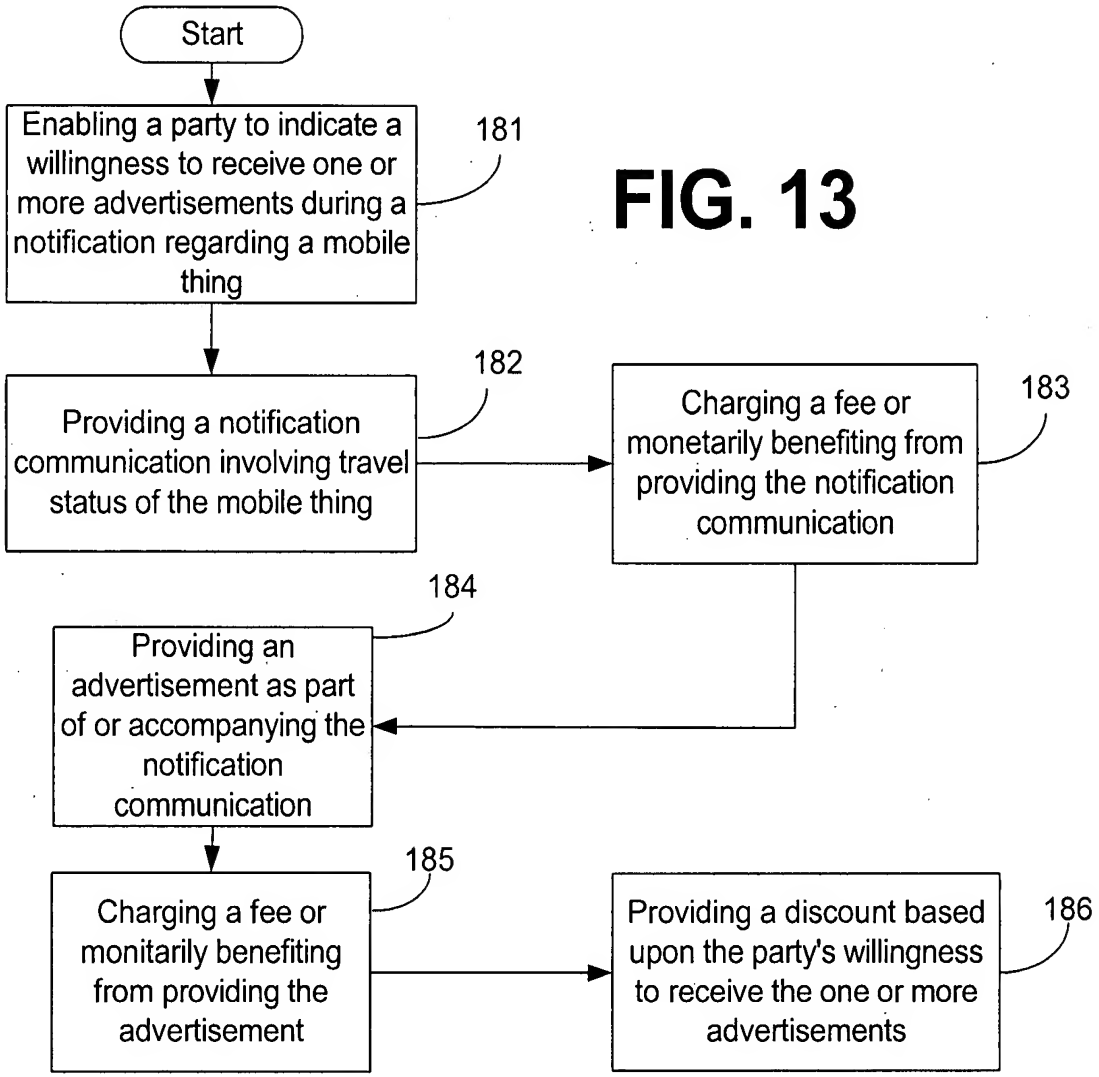

Start
Enabling a party to indicate a willingness to receive one or more advertisements during a notification regarding a mobile thing
181
Providing a notification communication involving travel status of the mobile thing
182
Charging a fee or monetarily benefiting from providing the notification communication
183
Providing an advertisement as part of or accompanying the notification communication
184
Charging a fee or monitarily benefiting from providing the advertisement
185
Providing a discount based upon the party's willingness to receive the one or more advertisements
186

FIG. 13

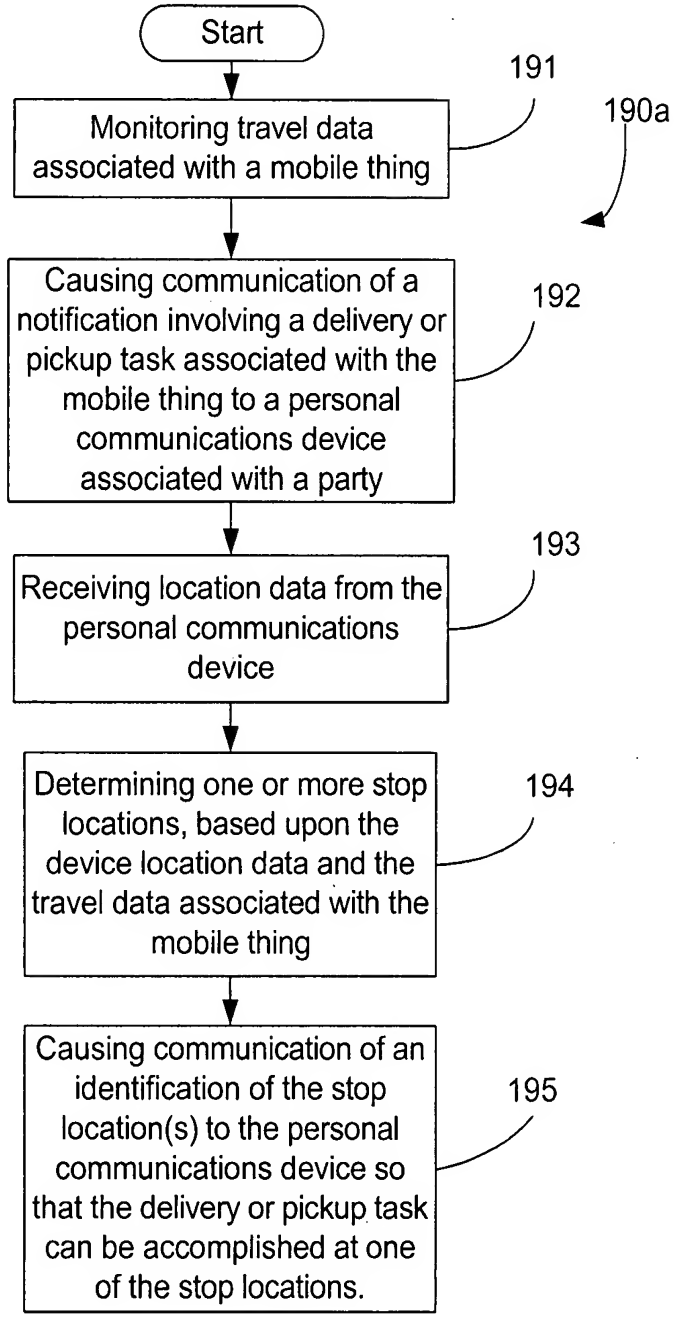


FIG. 14A

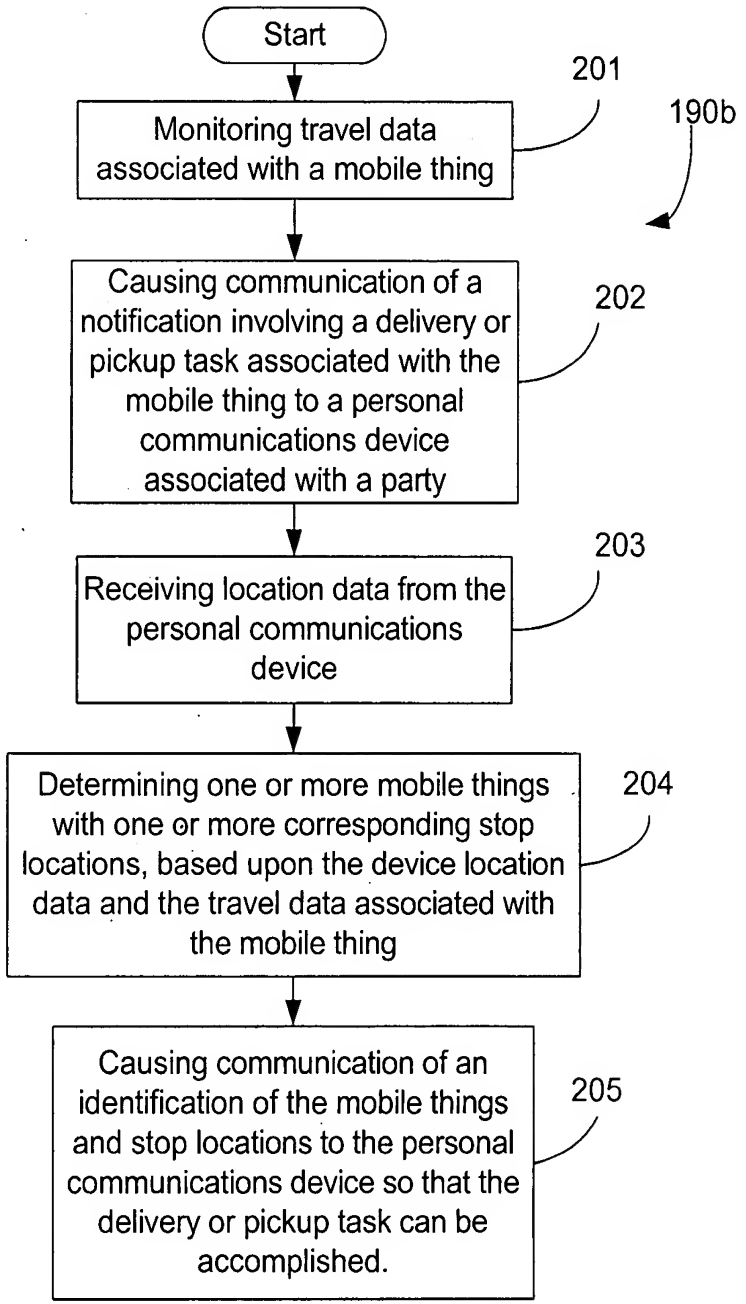


FIG. 14B

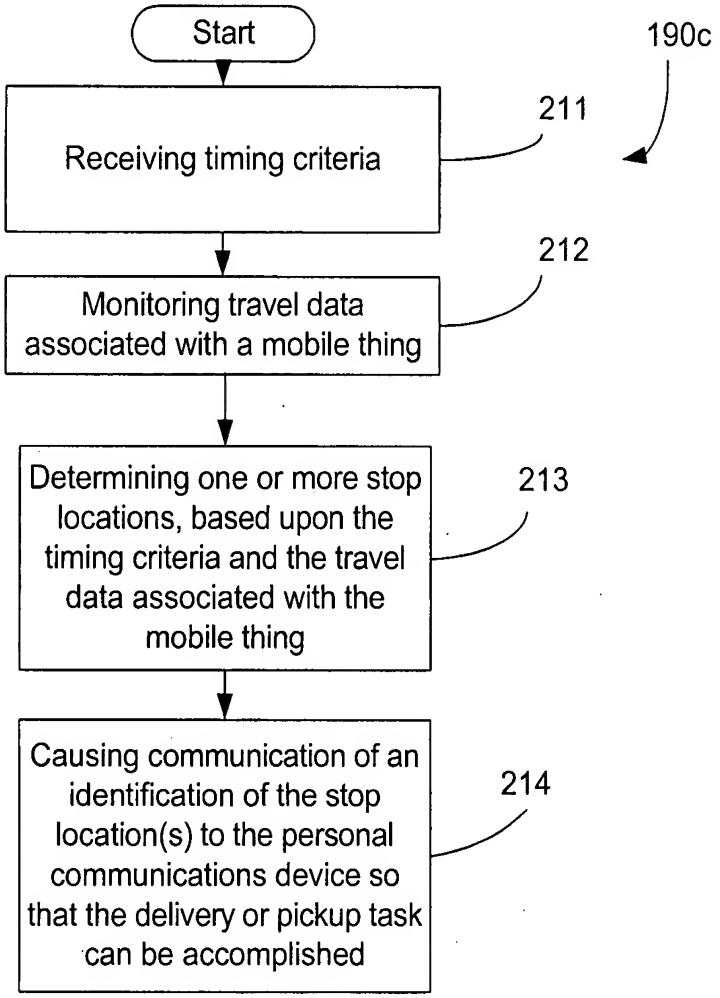


FIG. 15A

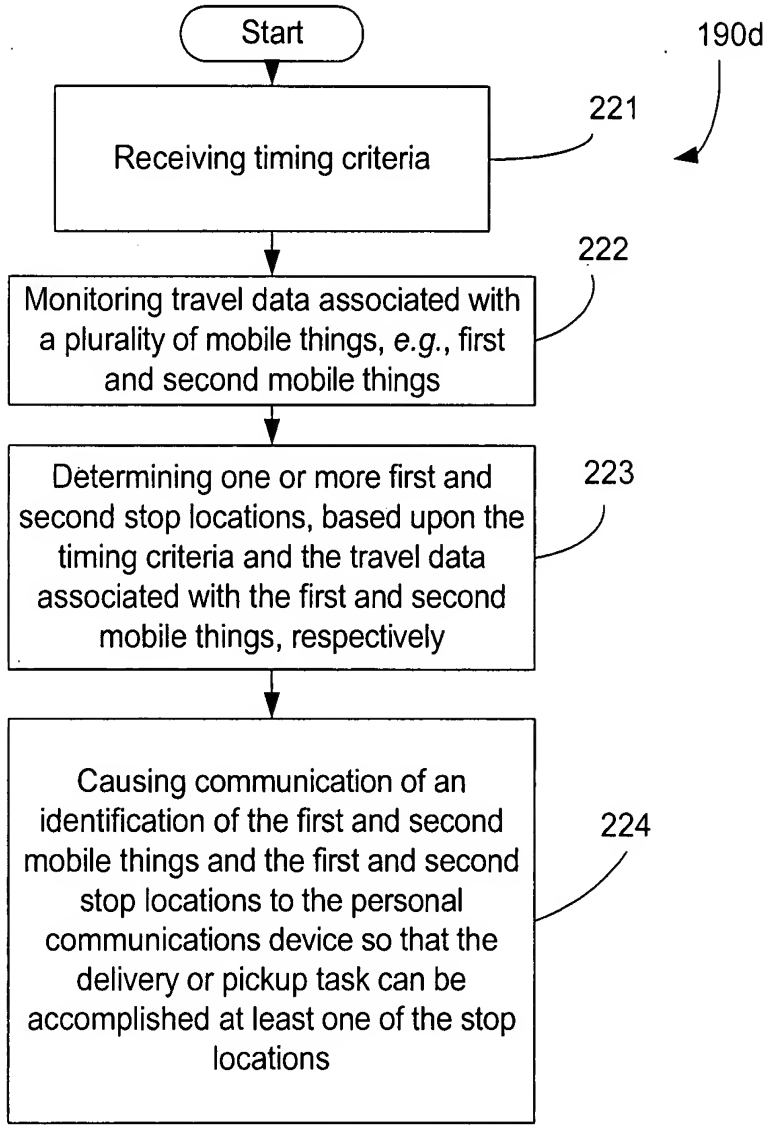


FIG. 15B

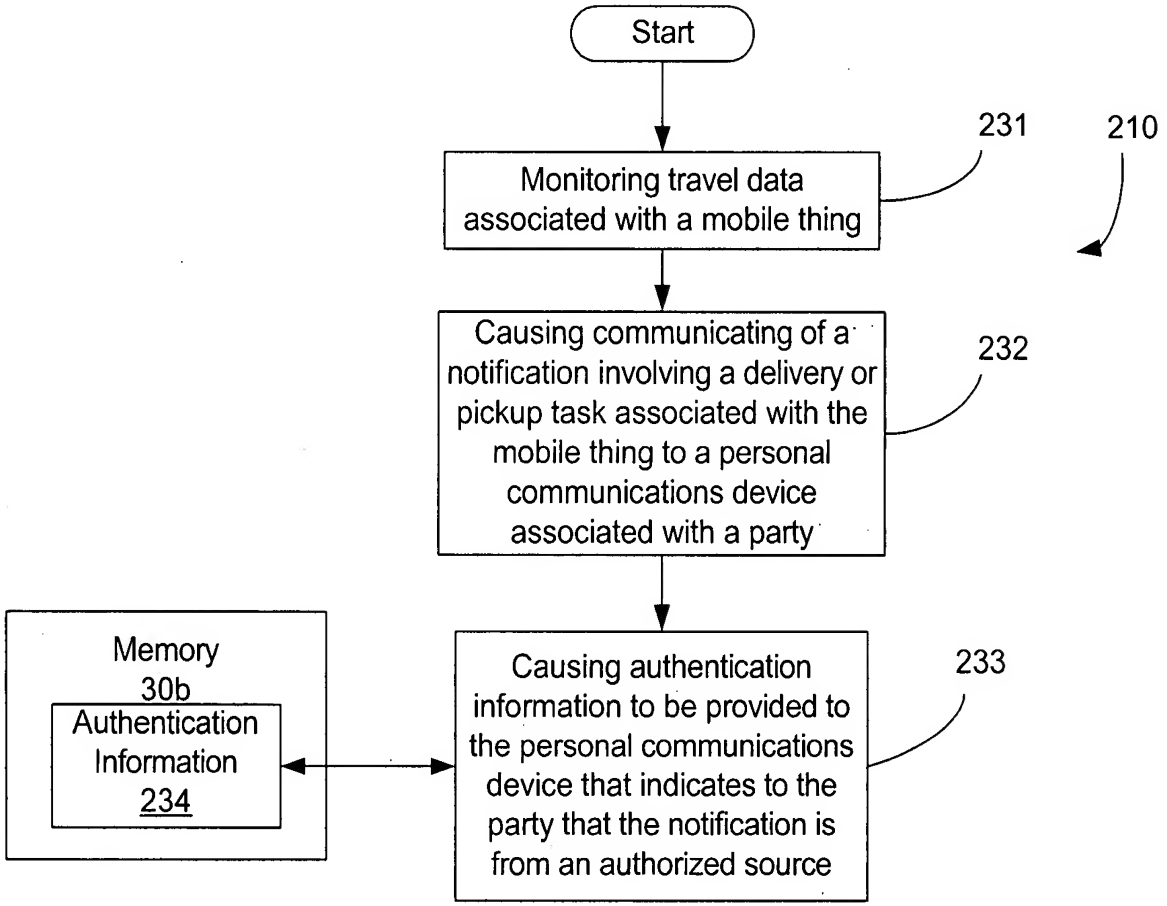

Start
231
210
Monitoring travel data associated with a mobile thing
Causing communicating of a notification involving a delivery or pickup task associated with the mobile thing to a personal communications device associated with a party
232
Memory
30b
Authentication Information
234
Causing authentication information to be provided to the personal communications device that indicates to the party that the notification is from an authorized source
233

FIG. 16

INTERNET SERVICE PROVIDER

File Edit Go To Views Events Window Help

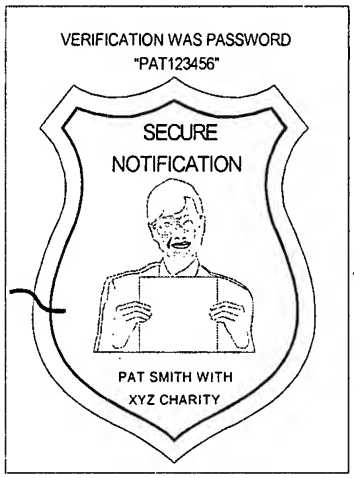
YOU HAVE RECEIVED NEW MAIL

FROM	SUBJECT	RECEIVED
XYZ-Charity@secur	Arriving in 2 Minutes (1:49 PM) - Security By Secure Arrival EST	1:47:58 PM

Subj: YXZ CHARITY ARRIVING IN 2 MINUTES
Date: 1/28/1995 1:47:56 PM Eastern Standard Time
From: PatSmith@SecureArrival.com
To: NancyS@Domain.com

The person to the right will be approaching your home at 1:49 pm.

Please reply to this message for **additional verification**, to **cancel the arrival**, or to **reschedule**.



235

Save *Delete* *Reply*

Start | *ISP BROWSER (CONNECTED)* | 8:45 AM

FIG 16A

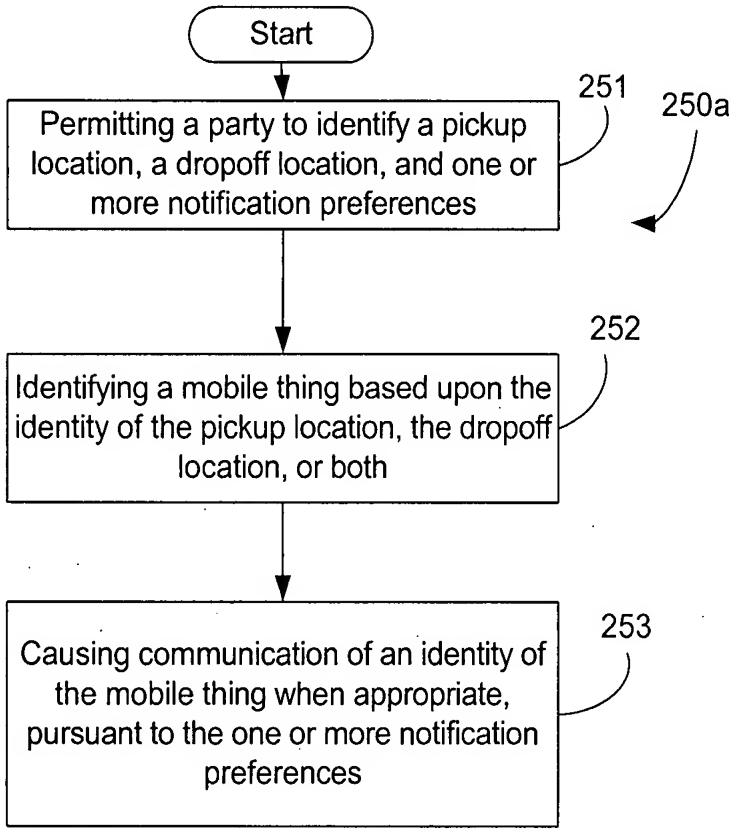


FIG. 17A

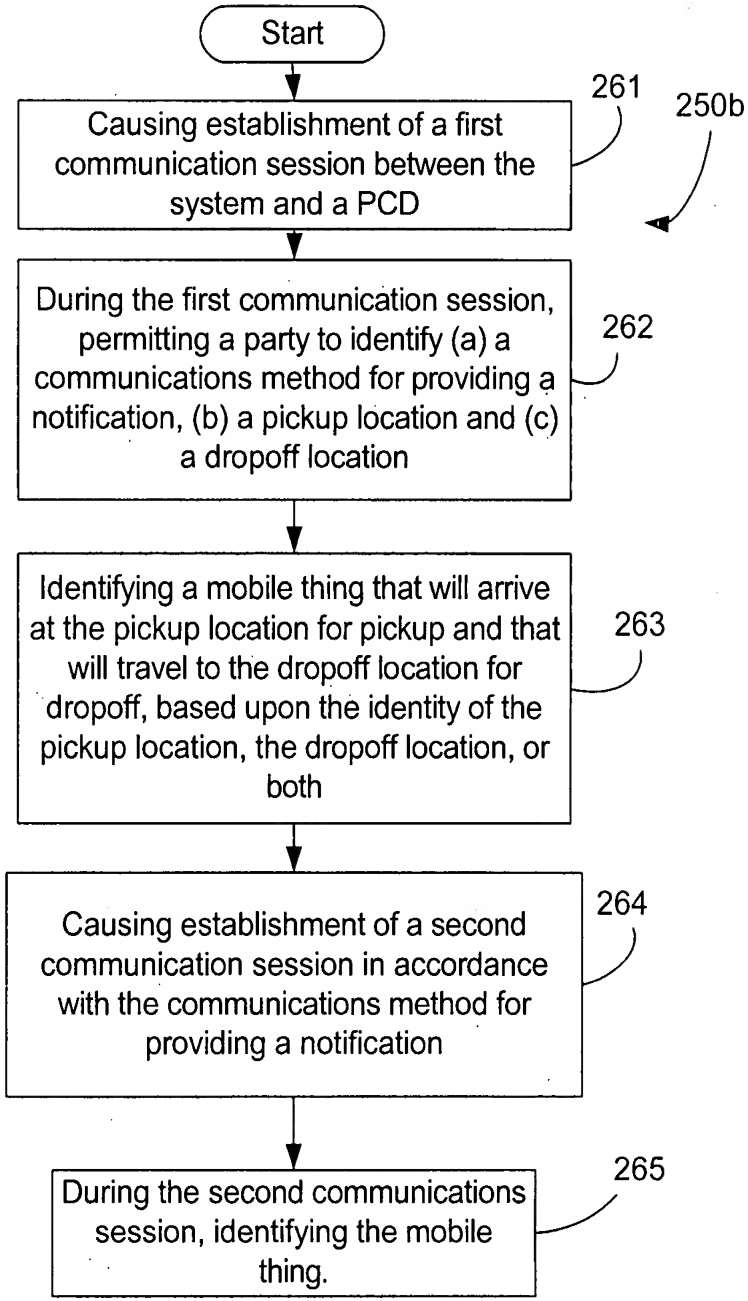


FIG. 17B

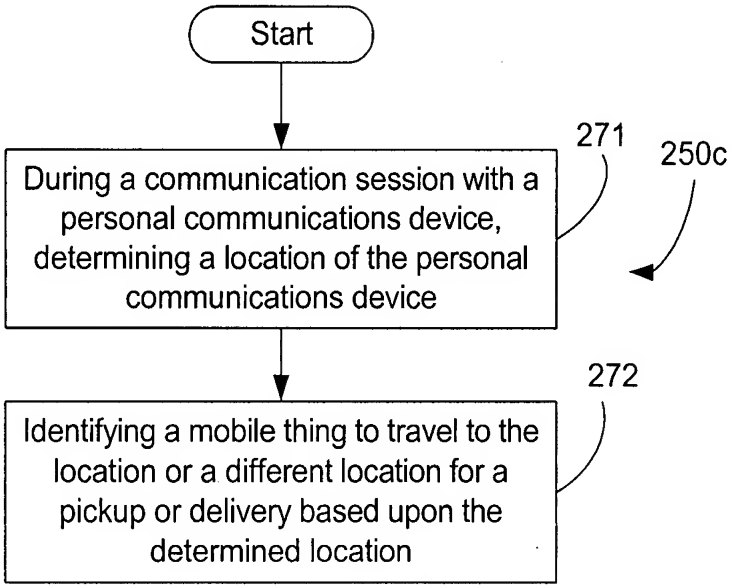


FIG. 17C

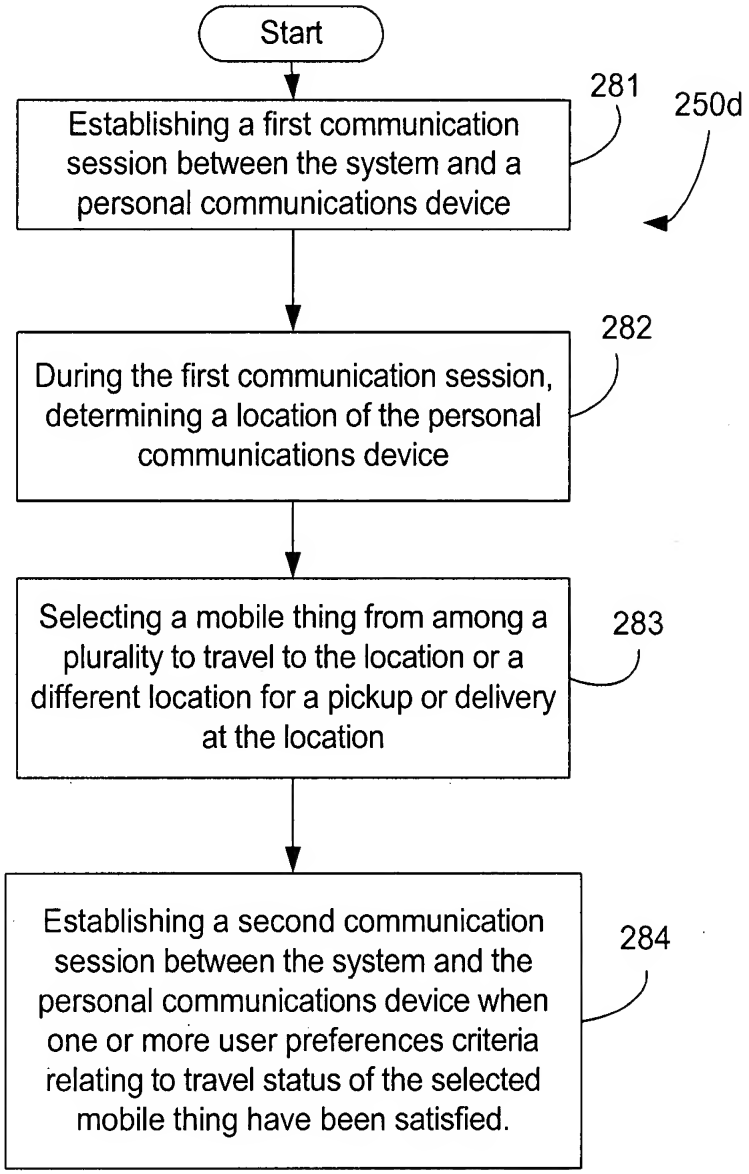


FIG. 17D

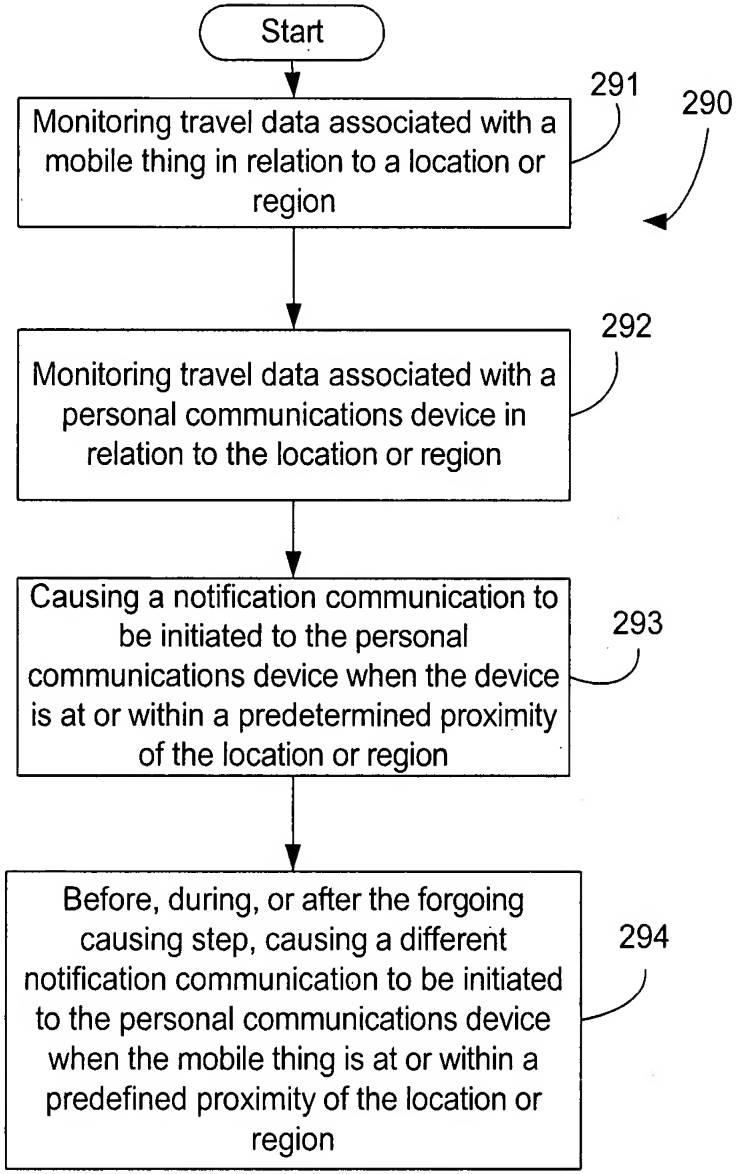

Start
Monitoring travel data associated with a mobile thing in relation to a location or region
291
290
Monitoring travel data associated with a personal communications device in relation to the location or region
292
Causing a notification communication to be initiated to the personal communications device when the device is at or within a predetermined proximity of the location or region
293
Before, during, or after the forgoing causing step, causing a different notification communication to be initiated to the personal communications device when the mobile thing is at or within a predefined proximity of the location or region
294

FIG. 18

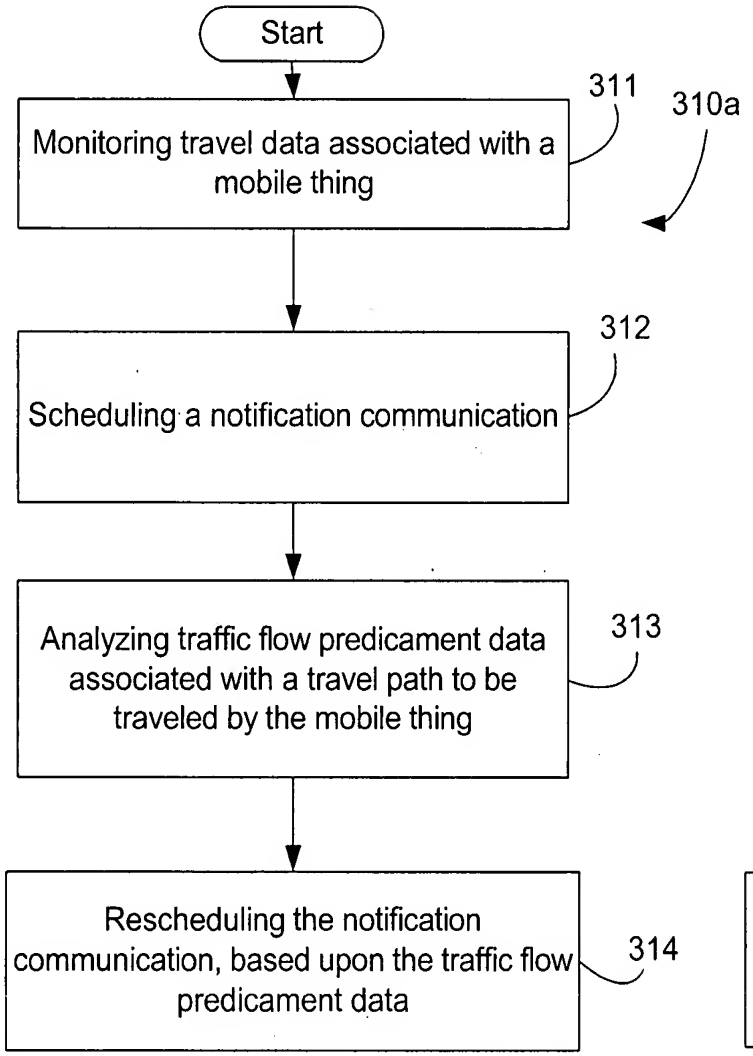


FIG. 19A

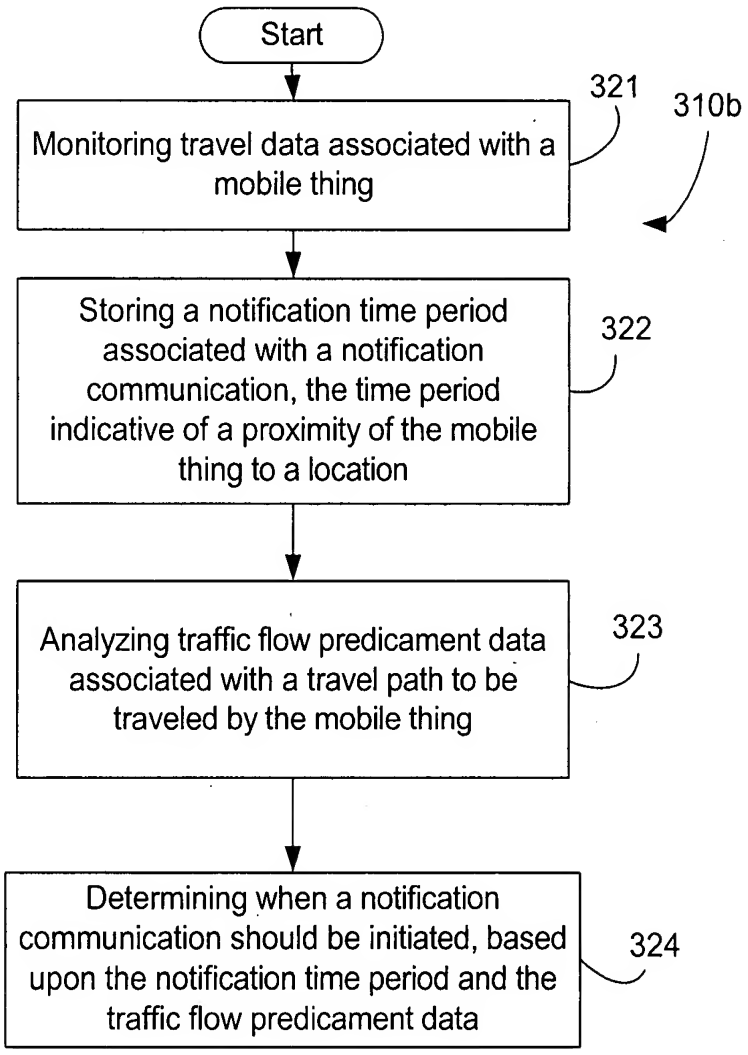


FIG. 19B

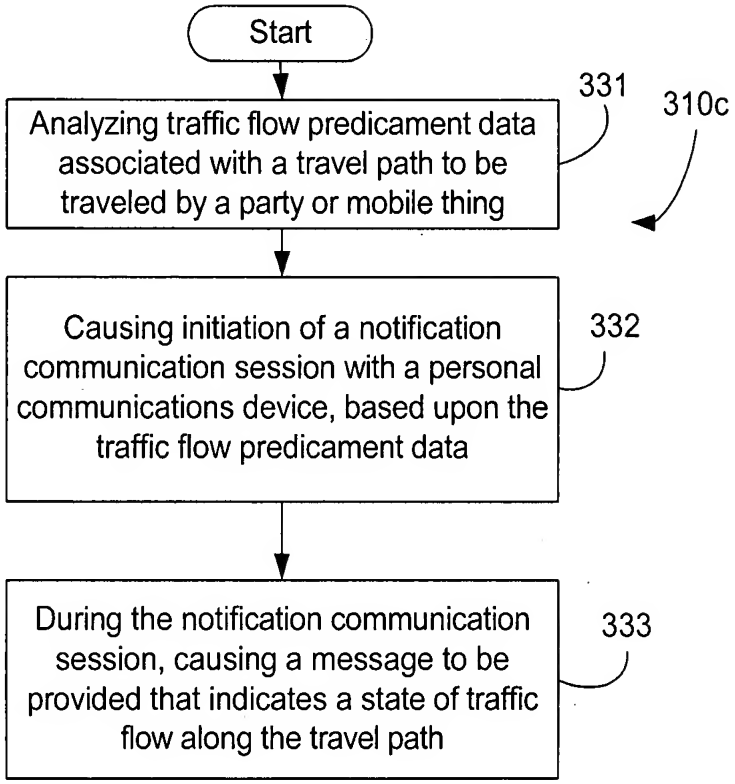

Start
Analyzing traffic flow predicament data associated with a travel path to be traveled by a party or mobile thing
331
310c
Causing initiation of a notification communication session with a personal communications device, based upon the traffic flow predicament data
332
During the notification communication session, causing a message to be provided that indicates a state of traffic flow along the travel path
333

FIG. 19C

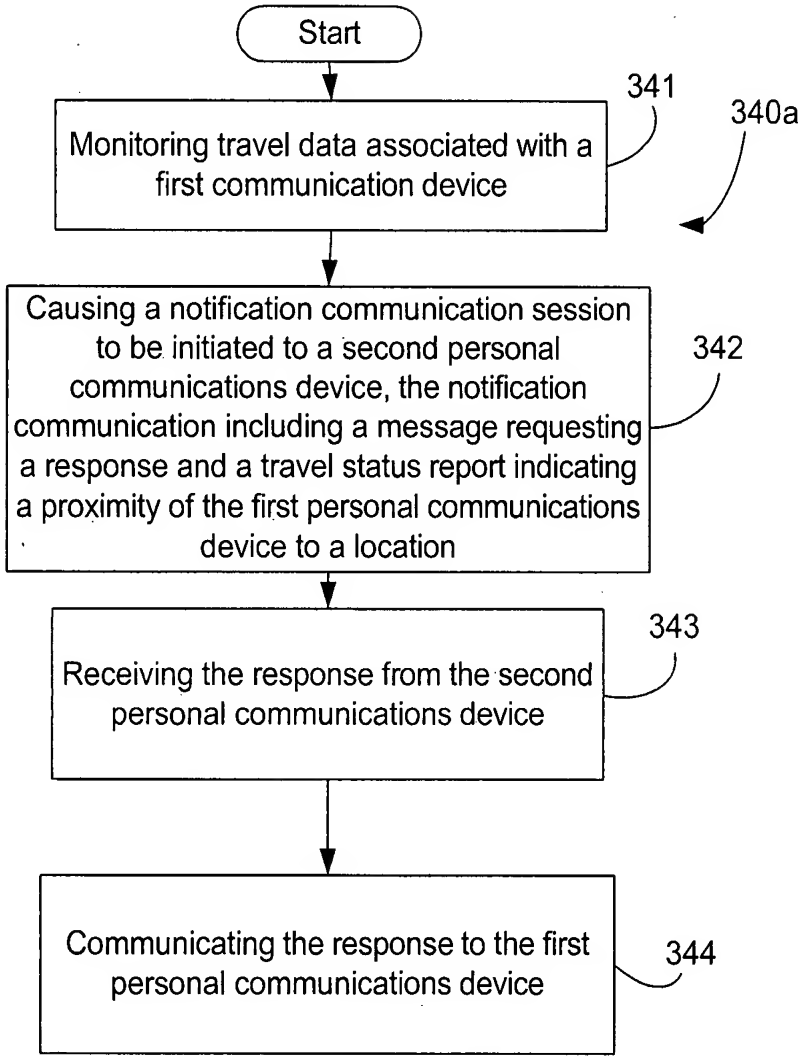


FIG. 20A

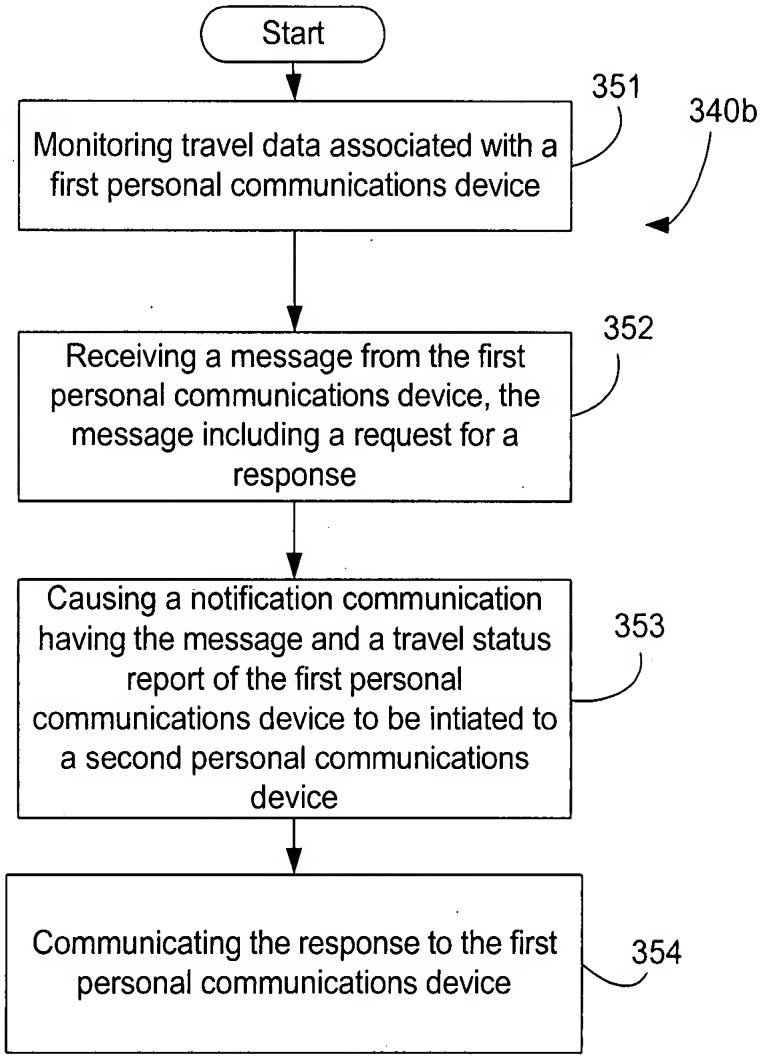


FIG. 20B

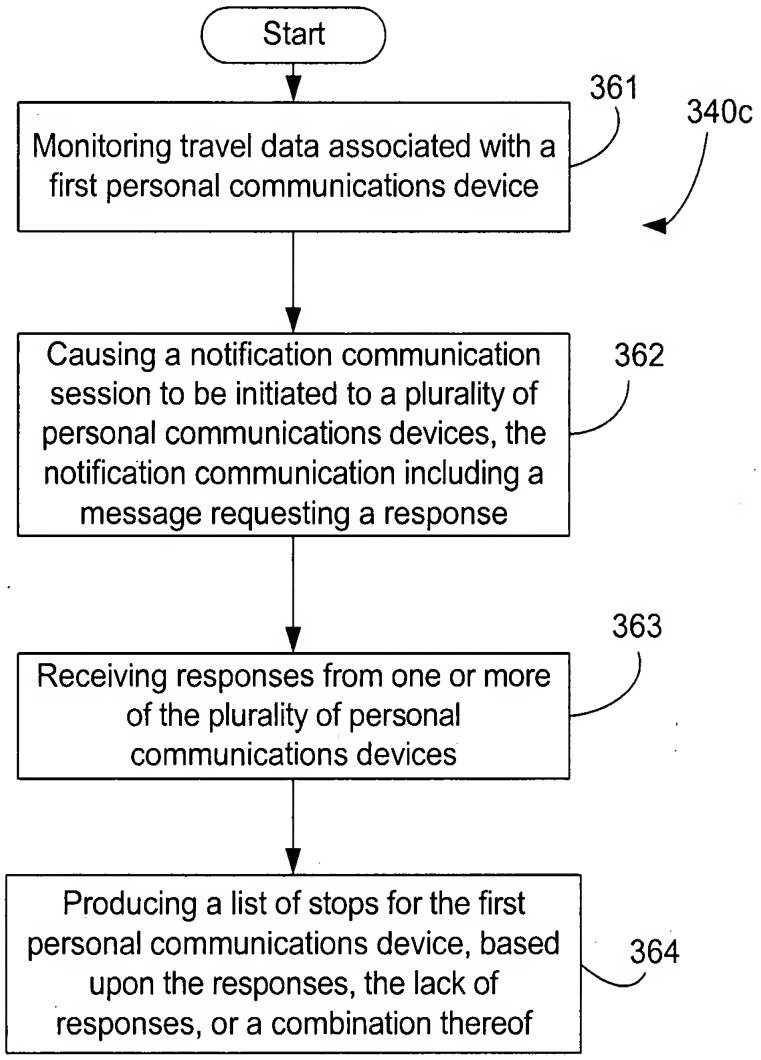

Start
Monitoring travel data associated with a first personal communications device
361
340c
Causing a notification communication session to be initiated to a plurality of personal communications devices, the notification communication including a message requesting a response
362
Receiving responses from one or more of the plurality of personal communications devices
363
Producing a list of stops for the first personal communications device, based upon the responses, the lack of responses, or a combination thereof
364

FIG. 20C

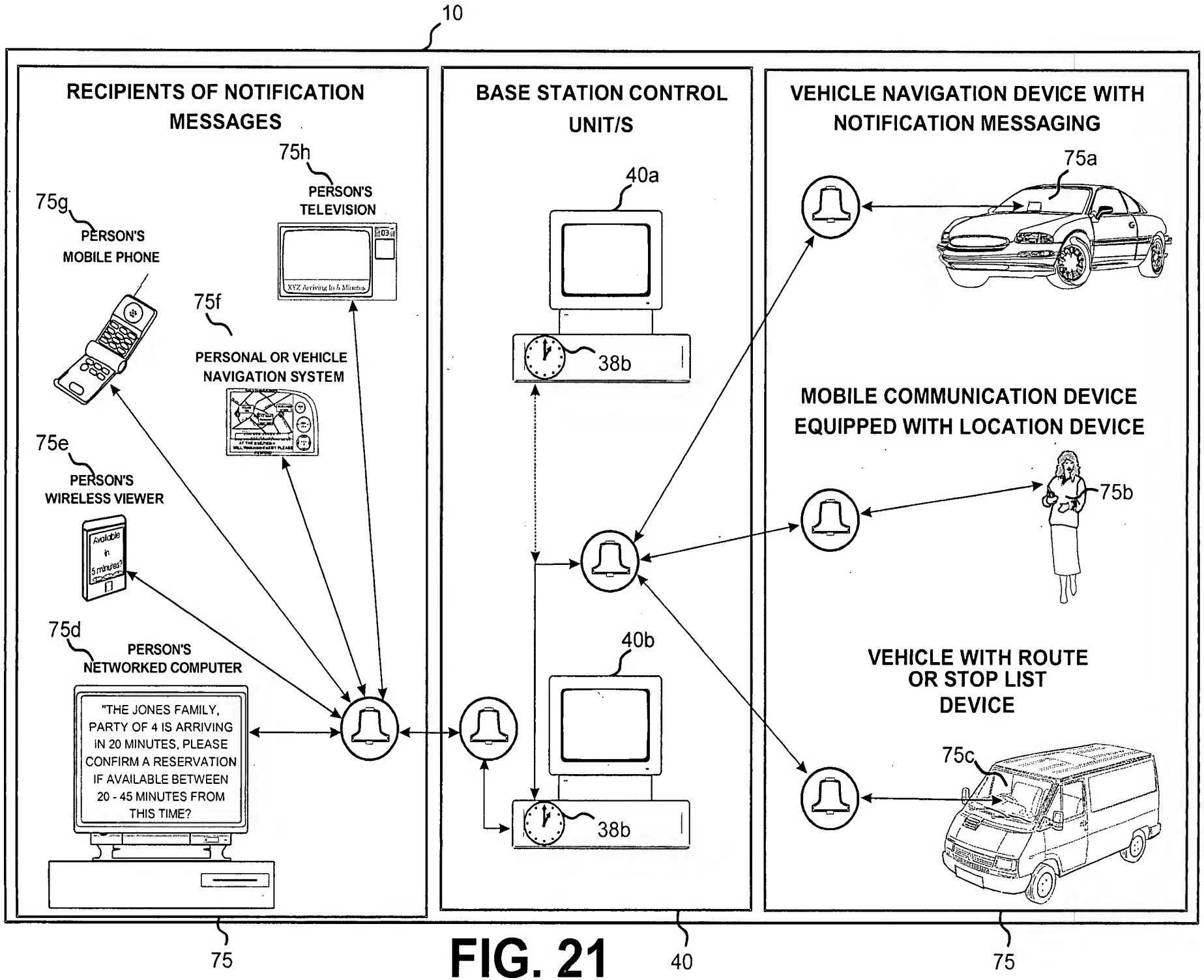

10
RECIPIENTS OF NOTIFICATION MESSAGES
75h
PERSON'S TELEVISION
75g
PERSON'S MOBILE PHONE
75f
PERSONAL OR VEHICLE NAVIGATION SYSTEM
75e
PERSON'S WIRELESS VIEWER
Available in 5 minutes?
75d
PERSON'S NETWORKED COMPUTER
"THE JONES FAMILY, PARTY OF 4 IS ARRIVING IN 20 MINUTES, PLEASE CONFIRM A RESERVATION IF AVAILABLE BETWEEN 20 - 45 MINUTES FROM THIS TIME?
75
BASE STATION CONTROL UNIT/S
40a
38b
40b
38b
40
VEHICLE NAVIGATION DEVICE WITH NOTIFICATION MESSAGING
75a
MOBILE COMMUNICATION DEVICE EQUIPPED WITH LOCATION DEVICE
75b
VEHICLE WITH ROUTE OR STOP LIST DEVICE
75c
75

FIG. 21

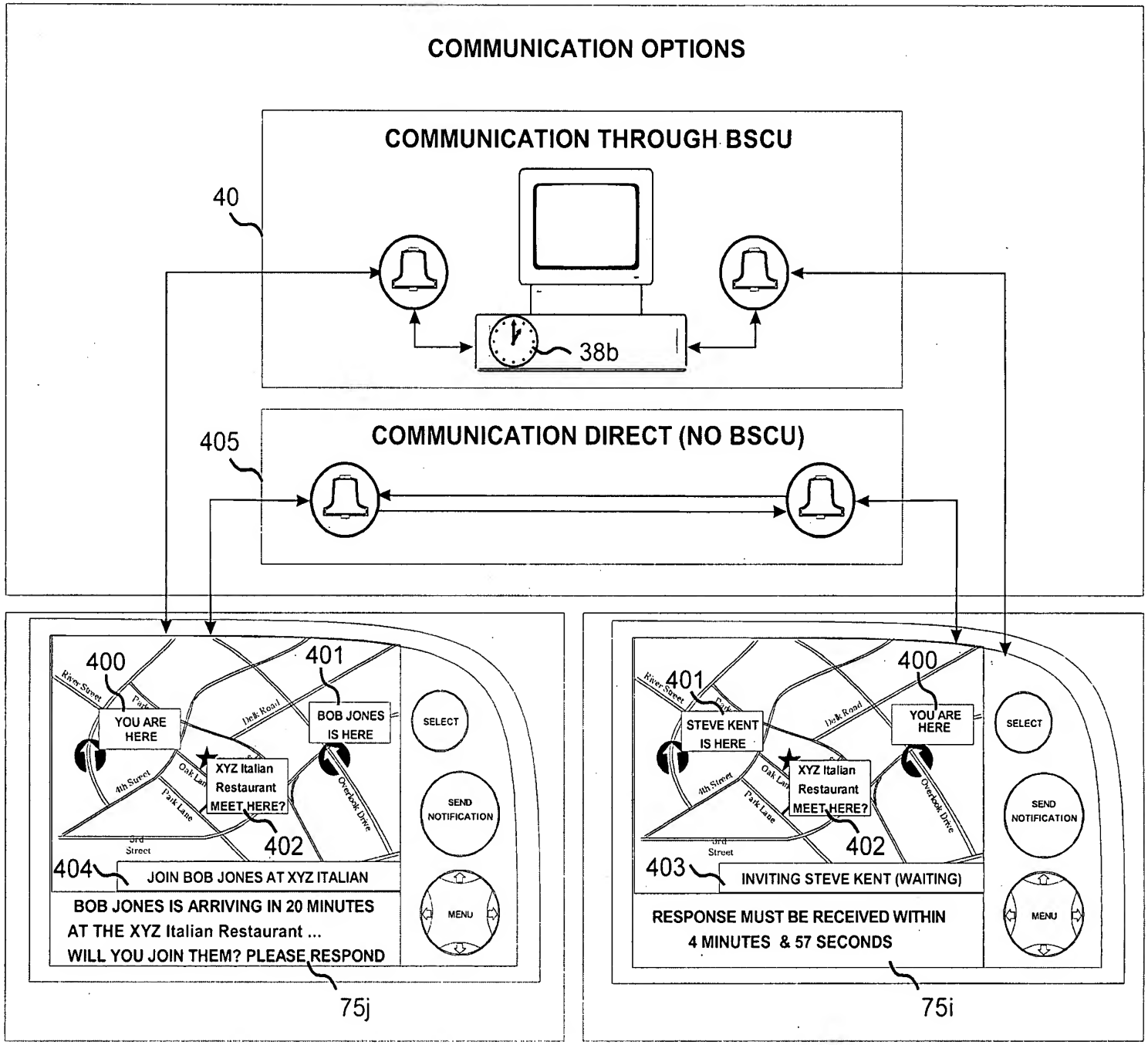

COMMUNICATION OPTIONS
COMMUNICATION THROUGH BSCU
40
38b
COMMUNICATION DIRECT (NO BSCU)
405
400
401
YOU ARE HERE
BOB JONES IS HERE
XYZ Italian Restaurant MEET HERE?
402
404
JOIN BOB JONES AT XYZ ITALIAN
BOB JONES IS ARRIVING IN 20 MINUTES
AT THE XYZ Italian Restaurant ...
WILL YOU JOIN THEM? PLEASE RESPOND
SELECT
SEND NOTIFICATION
MENU
75j
401
400
STEVE KENT IS HERE
YOU ARE HERE
XYZ Italian Restaurant MEET HERE?
402
403
INVITING STEVE KENT (WAITING)
RESPONSE MUST BE RECEIVED WITHIN
4 MINUTES & 57 SECONDS
SELECT
SEND NOTIFICATION
MENU
75i

FIG. 22

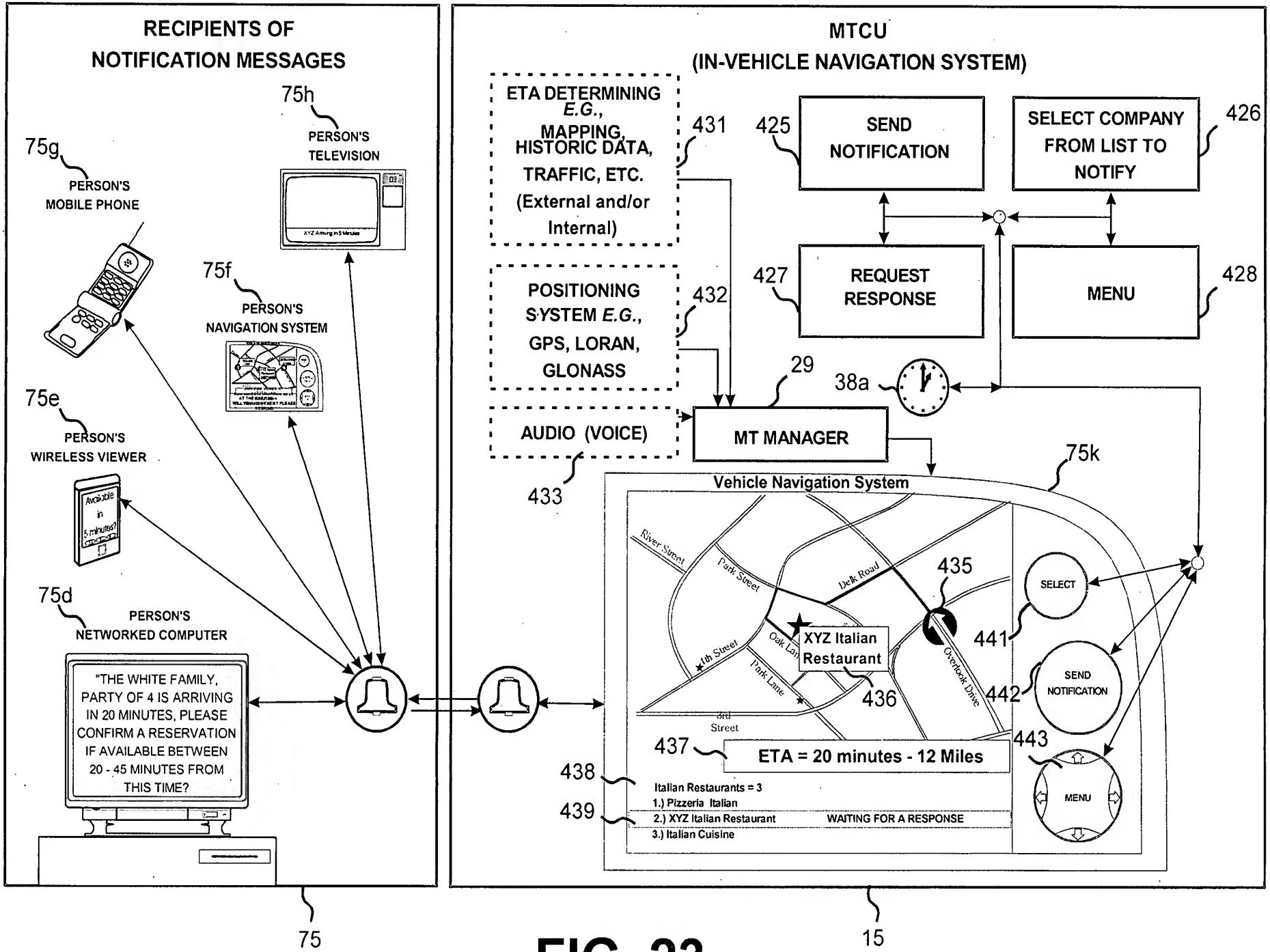

RECIPIENTS OF NOTIFICATION MESSAGES
75h
PERSON'S TELEVISION
75g
PERSON'S MOBILE PHONE
75f
PERSON'S NAVIGATION SYSTEM
75e
PERSON'S WIRELESS VIEWER
75d
PERSON'S NETWORKED COMPUTER
"THE WHITE FAMILY, PARTY OF 4 IS ARRIVING IN 20 MINUTES, PLEASE CONFIRM A RESERVATION IF AVAILABLE BETWEEN 20 - 45 MINUTES FROM THIS TIME?
75
MTCU (IN-VEHICLE NAVIGATION SYSTEM)
ETA DETERMINING E.G., MAPPING, HISTORIC DATA, TRAFFIC, ETC. (External and/or Internal)
431
POSITIONING SYSTEM E.G., GPS, LORAN, GLONASS
432
AUDIO (VOICE)
433
425
SEND NOTIFICATION
426
SELECT COMPANY FROM LIST TO NOTIFY
427
REQUEST RESPONSE
428
MENU
29
38a
MT MANAGER
75k
Vehicle Navigation System
River Street
Park Street
Delk Road
435
SELECT
441
XYZ Italian Restaurant
436
4th Street
Oak Lane
Park Lane
Overlook Drive
3rd Street
SEND NOTIFICATION
442
443
MENU
437
ETA = 20 minutes - 12 Miles
438
Italian Restaurants = 3
1.) Pizzeria Italian
439
2.) XYZ Italian Restaurant
WAITING FOR A RESPONSE
3.) Italian Cuisine
15

FIG. 23

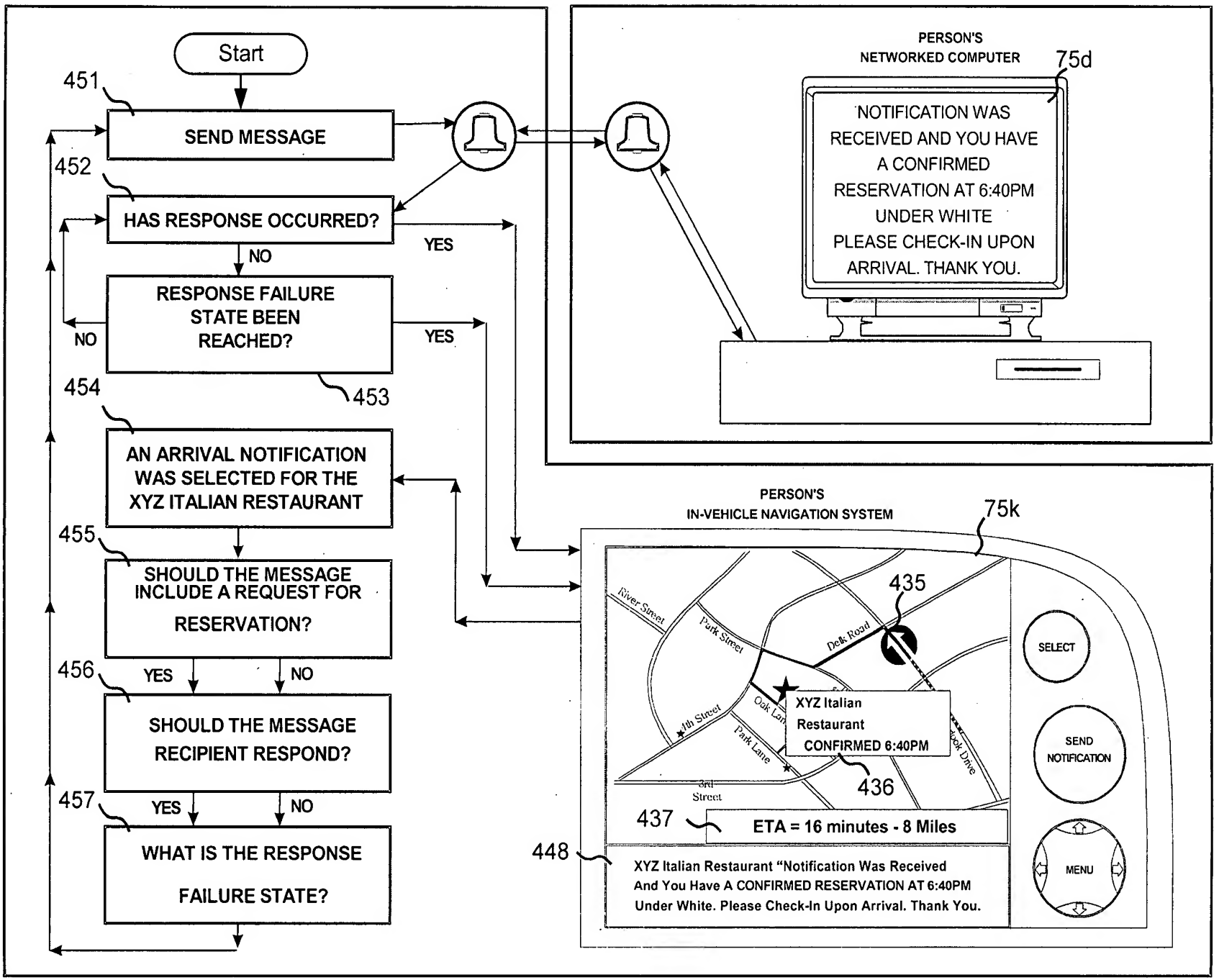

Start
451
SEND MESSAGE
452
HAS RESPONSE OCCURRED?
YES
NO
RESPONSE FAILURE STATE BEEN REACHED?
NO
YES
453
454
AN ARRIVAL NOTIFICATION WAS SELECTED FOR THE XYZ ITALIAN RESTAURANT
455
SHOULD THE MESSAGE INCLUDE A REQUEST FOR RESERVATION?
456
YES
NO
SHOULD THE MESSAGE RECIPIENT RESPOND?
457
YES
NO
WHAT IS THE RESPONSE FAILURE STATE?
PERSON'S NETWORKED COMPUTER
75d
NOTIFICATION WAS RECEIVED AND YOU HAVE A CONFIRMED RESERVATION AT 6:40PM UNDER WHITE PLEASE CHECK-IN UPON ARRIVAL. THANK YOU.
PERSON'S IN-VEHICLE NAVIGATION SYSTEM
75k
435
River Street
Park Street
Delk Road
XYZ Italian Restaurant CONFIRMED 6:40PM
436
Park Lane
3rd Street
437
ETA = 16 minutes - 8 Miles
448
XYZ Italian Restaurant "Notification Was Received And You Have A CONFIRMED RESERVATION AT 6:40PM Under White. Please Check-In Upon Arrival. Thank You.
SELECT
SEND NOTIFICATION
MENU

FIG. 24

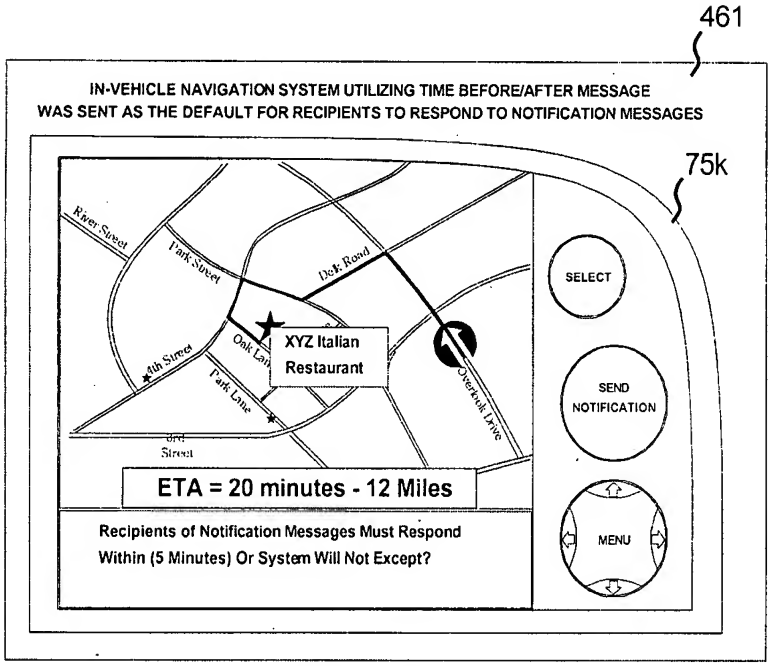


FIG. 25A

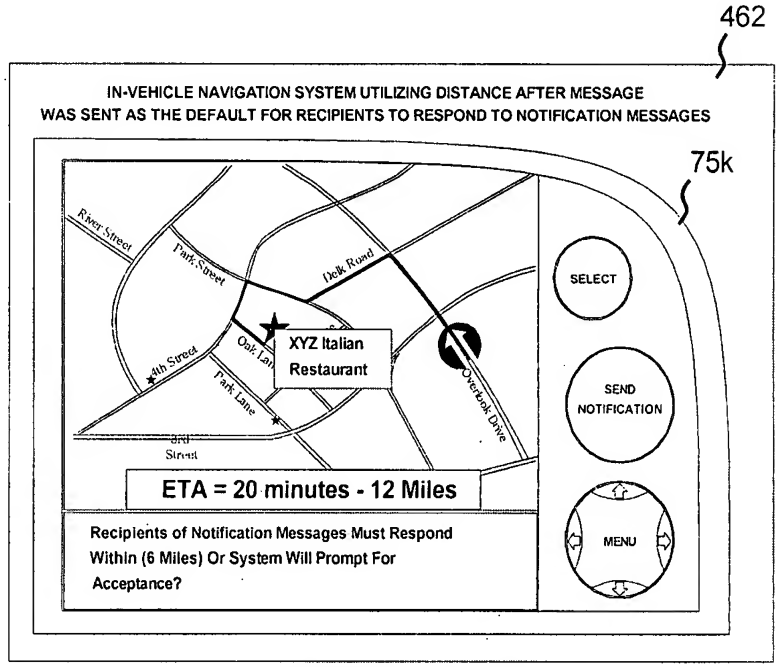


FIG. 25B

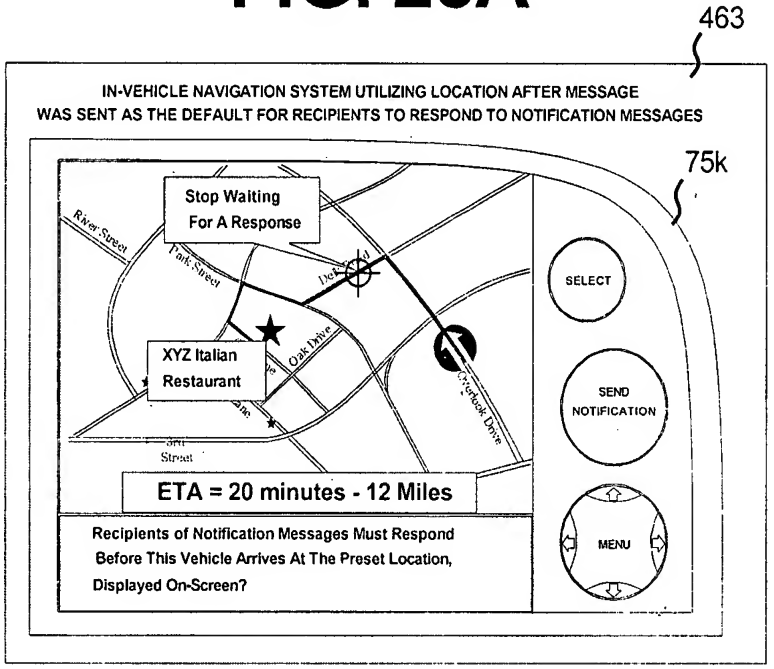


FIG. 25C

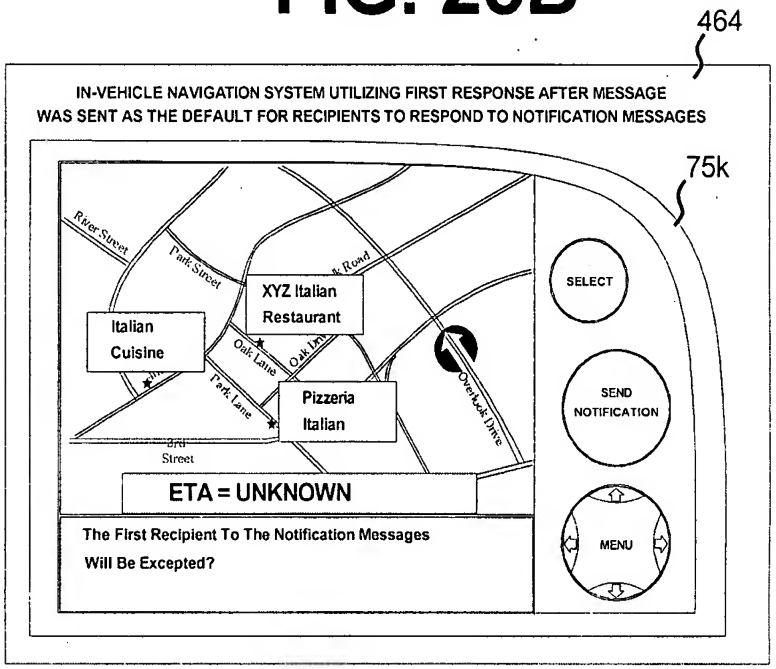


FIG. 25D

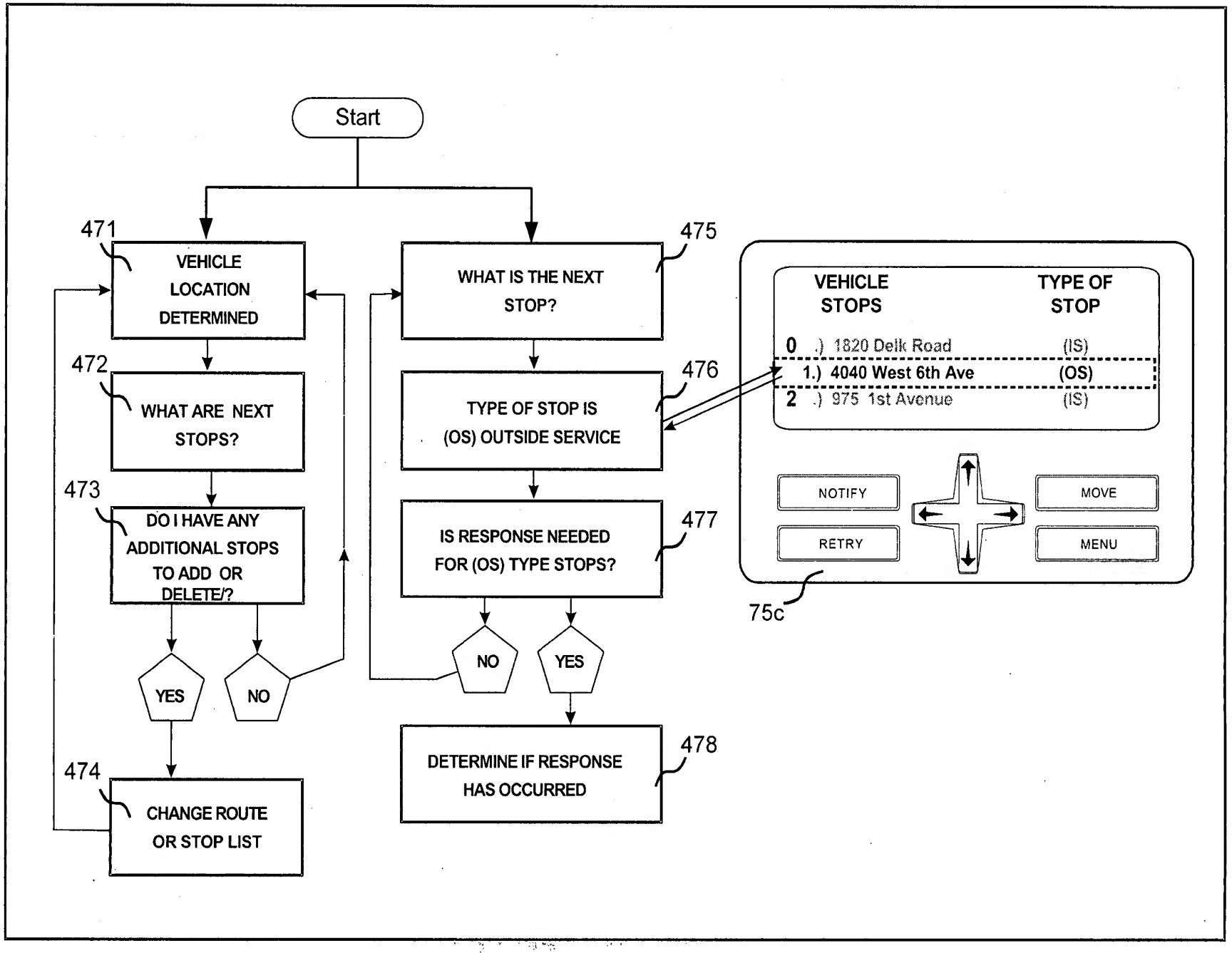

Start
471
VEHICLE LOCATION DETERMINED
472
WHAT ARE NEXT STOPS?
473
DO I HAVE ANY ADDITIONAL STOPS TO ADD OR DELETE/?
YES
NO
474
CHANGE ROUTE OR STOP LIST
475
WHAT IS THE NEXT STOP?
476
TYPE OF STOP IS (OS) OUTSIDE SERVICE
477
IS RESPONSE NEEDED FOR (OS) TYPE STOPS?
NO
YES
478
DETERMINE IF RESPONSE HAS OCCURRED
VEHICLE STOPS
TYPE OF STOP
0 .) 1820 Delk Road (IS)
1.) 4040 West 6th Ave (OS)
2 .) 975 1st Avenue (IS)
NOTIFY
MOVE
RETRY
MENU
75c

FIG. 26

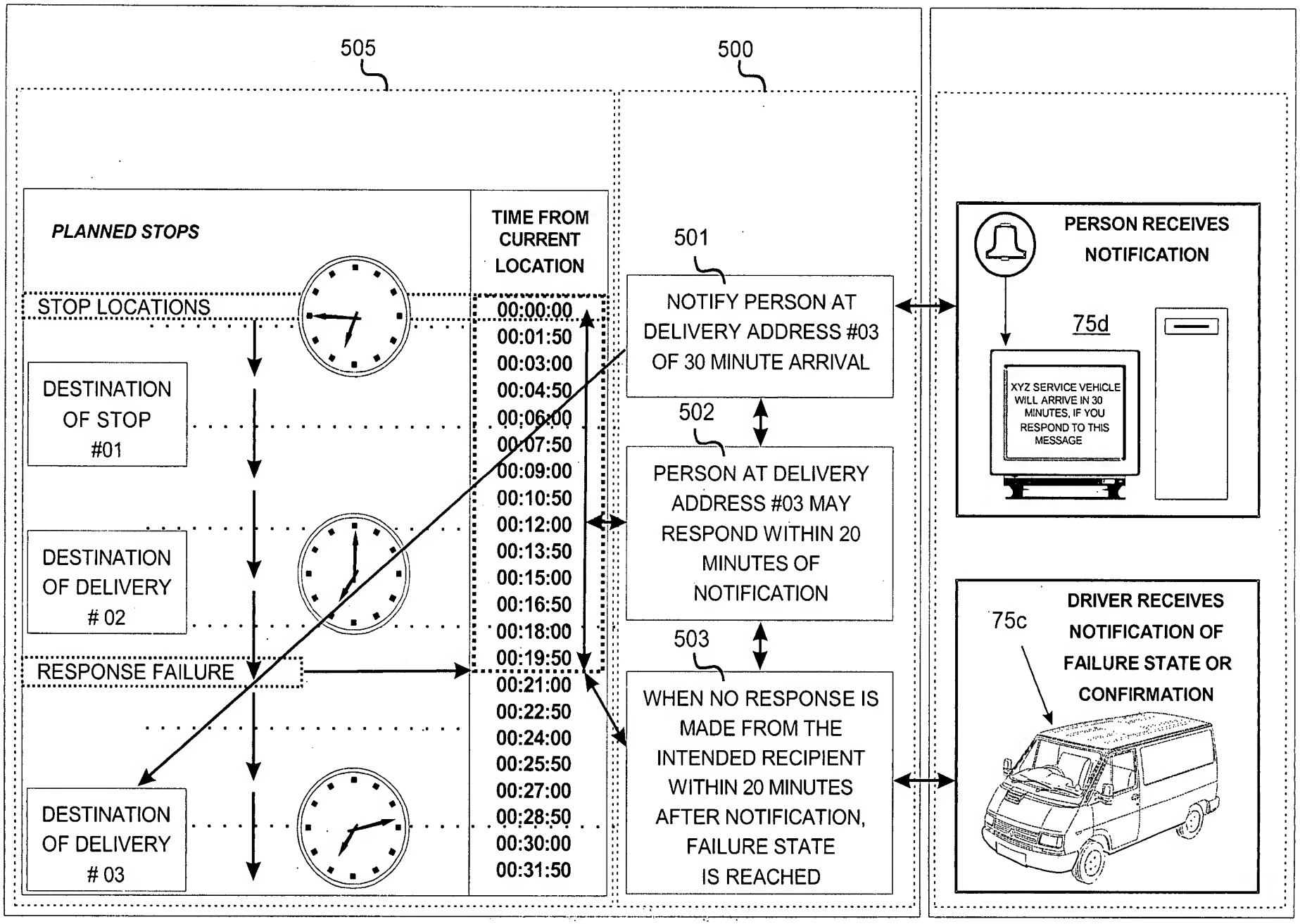

505
500
PLANNED STOPS
TIME FROM CURRENT LOCATION
STOP LOCATIONS
DESTINATION OF STOP #01
DESTINATION OF DELIVERY # 02
RESPONSE FAILURE
DESTINATION OF DELIVERY # 03
00:00:00
00:01:50
00:03:00
00:04:50
00:06:00
00:07:50
00:09:00
00:10:50
00:12:00
00:13:50
00:15:00
00:16:50
00:18:00
00:19:50
00:21:00
00:22:50
00:24:00
00:25:50
00:27:00
00:28:50
00:30:00
00:31:50
501
NOTIFY PERSON AT DELIVERY ADDRESS #03 OF 30 MINUTE ARRIVAL
502
PERSON AT DELIVERY ADDRESS #03 MAY RESPOND WITHIN 20 MINUTES OF NOTIFICATION
503
WHEN NO RESPONSE IS MADE FROM THE INTENDED RECIPIENT WITHIN 20 MINUTES AFTER NOTIFICATION, FAILURE STATE IS REACHED
PERSON RECEIVES NOTIFICATION
75d
XYZ SERVICE VEHICLE WILL ARRIVE IN 30 MINUTES, IF YOU RESPOND TO THIS MESSAGE
75c
DRIVER RECEIVES NOTIFICATION OF FAILURE STATE OR CONFIRMATION

FIG. 27

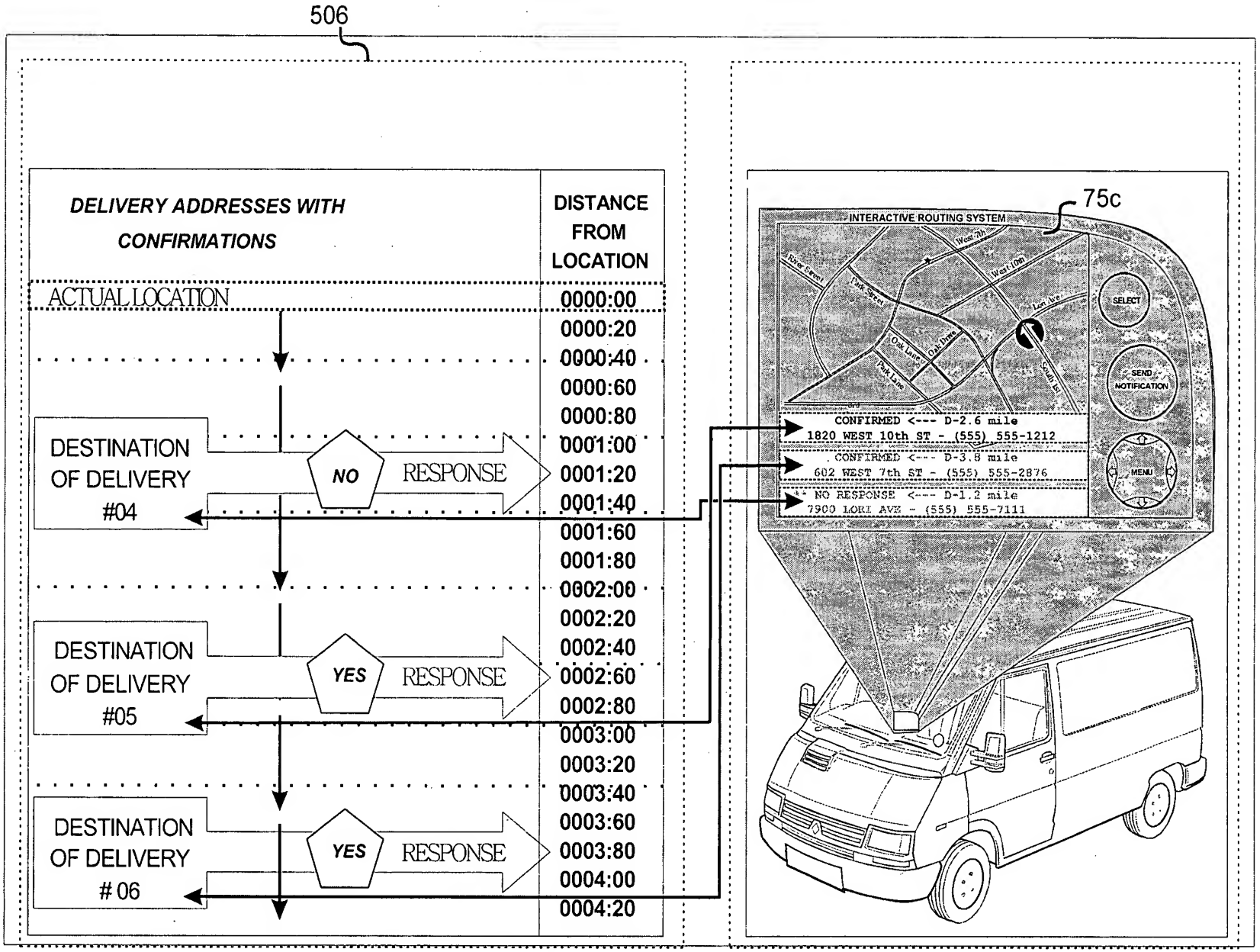

506
DELIVERY ADDRESSES WITH CONFIRMATIONS
DISTANCE FROM LOCATION
ACTUAL LOCATION
0000:00
0000:20
0000:40
0000:60
0000:80
0001:00
0001:20
0001:40
0001:60
0001:80
0002:00
0002:20
0002:40
0002:60
0002:80
0003:00
0003:20
0003:40
0003:60
0003:80
0004:00
0004:20
DESTINATION OF DELIVERY #04
NO
RESPONSE
DESTINATION OF DELIVERY #05
YES
RESPONSE
DESTINATION OF DELIVERY # 06
YES
RESPONSE
75c
INTERACTIVE ROUTING SYSTEM
SELECT
SEND NOTIFICATION
MENU
CONFIRMED <--- D-2.6 mile
1820 WEST 10th ST - (555) 555-1212
CONFIRMED <--- D-3.8 mile
602 WEST 7th ST - (555) 555-2876
NO RESPONSE <--- D-1.2 mile
7900 LORI AVE - (555) 555-7111

FIG. 28

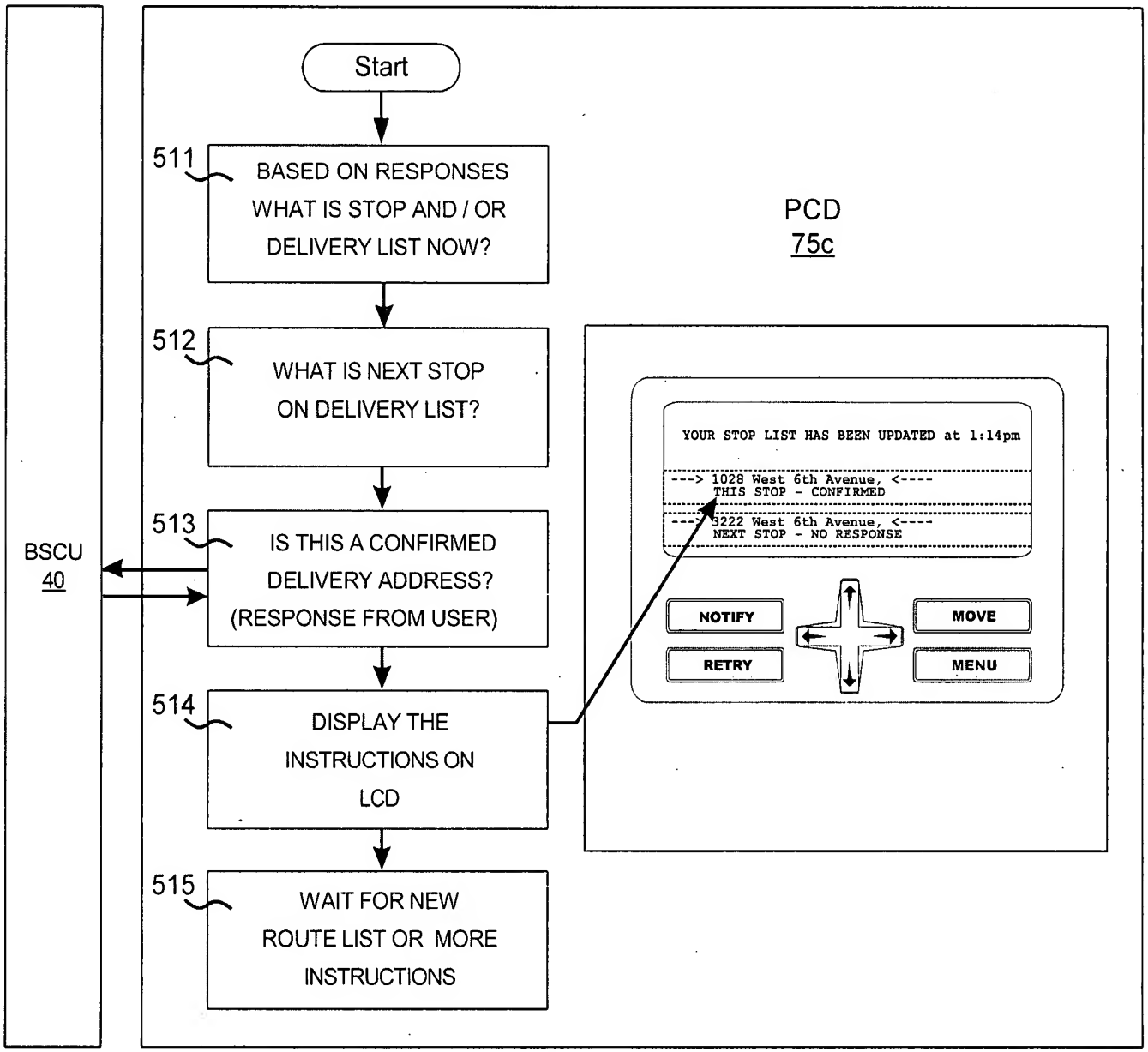

Start
511
BASED ON RESPONSES WHAT IS STOP AND / OR DELIVERY LIST NOW?
512
WHAT IS NEXT STOP ON DELIVERY LIST?
513
IS THIS A CONFIRMED DELIVERY ADDRESS? (RESPONSE FROM USER)
514
DISPLAY THE INSTRUCTIONS ON LCD
515
WAIT FOR NEW ROUTE LIST OR MORE INSTRUCTIONS
BSCU
40
PCD
75c
YOUR STOP LIST HAS BEEN UPDATED at 1:14pm
---> 1028 West 6th Avenue, <----
THIS STOP - CONFIRMED
---> 3222 West 6th Avenue, <----
NEXT STOP - NO RESPONSE
NOTIFY
MOVE
RETRY
MENU

FIG. 29

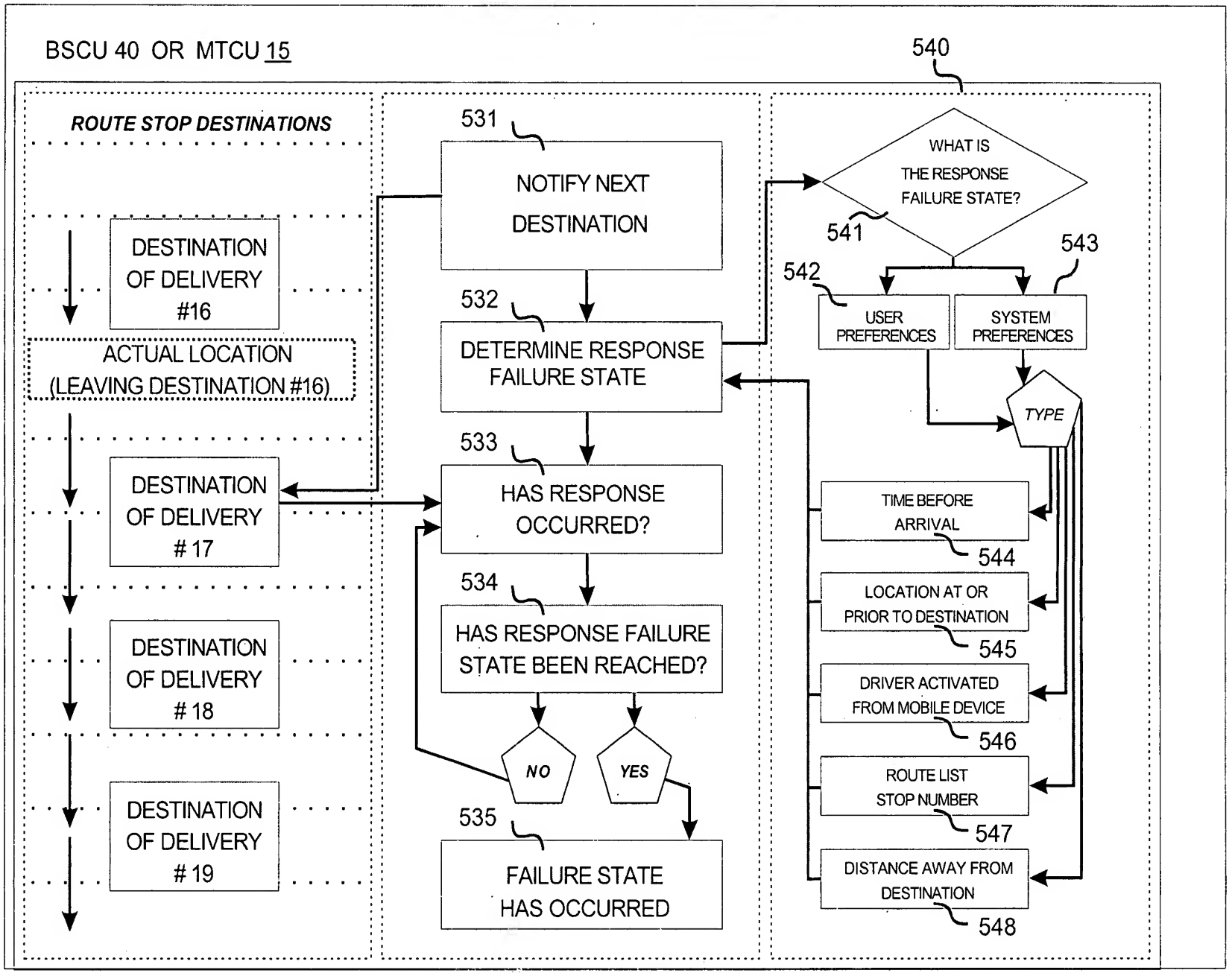

BSCU 40 OR MTCU 15
ROUTE STOP DESTINATIONS
DESTINATION OF DELIVERY #16
ACTUAL LOCATION (LEAVING DESTINATION #16)
DESTINATION OF DELIVERY # 17
DESTINATION OF DELIVERY # 18
DESTINATION OF DELIVERY # 19
531
NOTIFY NEXT DESTINATION
532
DETERMINE RESPONSE FAILURE STATE
533
HAS RESPONSE OCCURRED?
534
HAS RESPONSE FAILURE STATE BEEN REACHED?
NO
YES
535
FAILURE STATE HAS OCCURRED
540
WHAT IS THE RESPONSE FAILURE STATE?
541
542
USER PREFERENCES
543
SYSTEM PREFERENCES
TYPE
TIME BEFORE ARRIVAL
544
LOCATION AT OR PRIOR TO DESTINATION
545
DRIVER ACTIVATED FROM MOBILE DEVICE
546
ROUTE LIST STOP NUMBER
547
DISTANCE AWAY FROM DESTINATION
548

FIG. 30

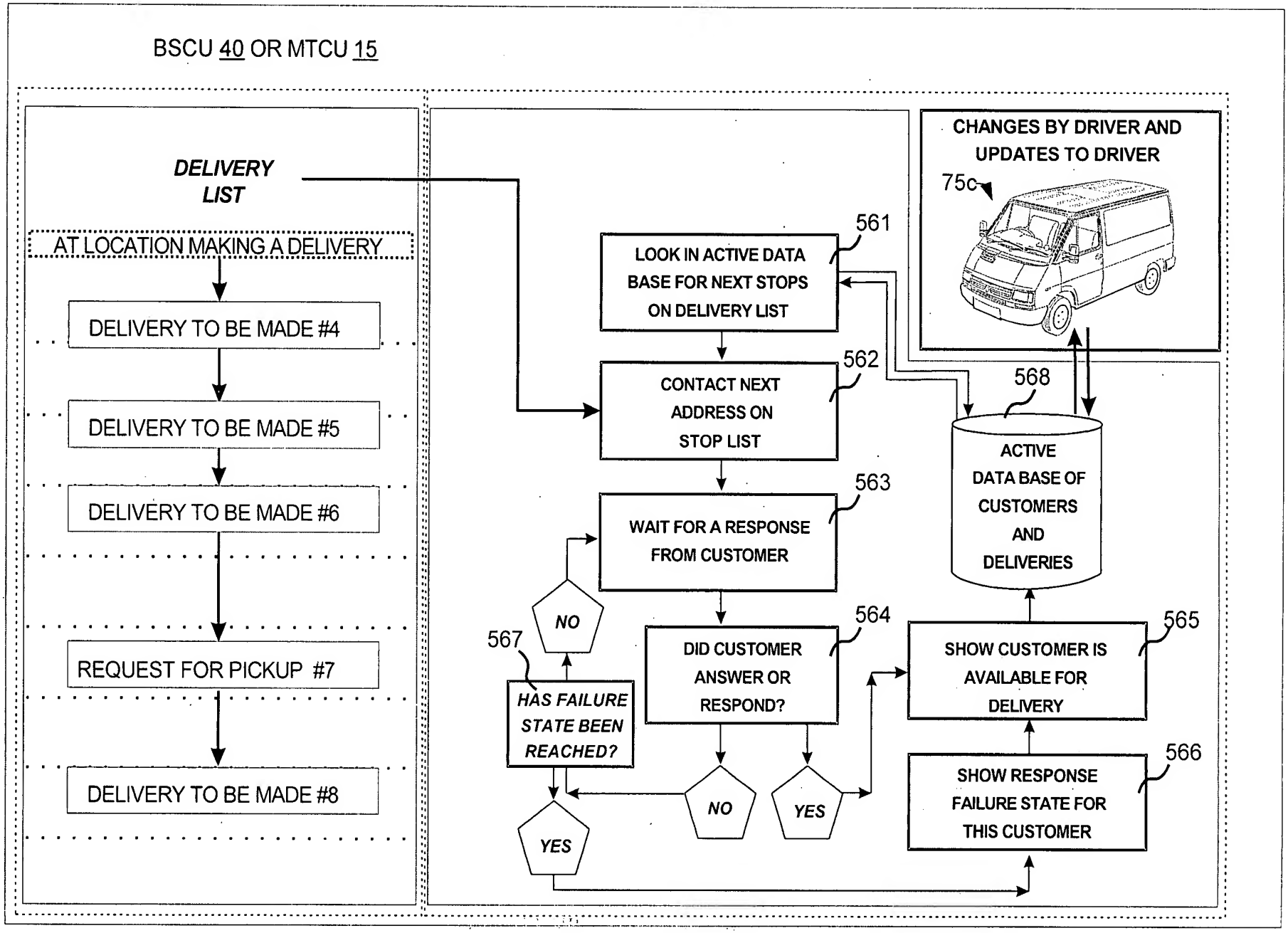

BSCU 40 OR MTCU 15
DELIVERY LIST
AT LOCATION MAKING A DELIVERY
DELIVERY TO BE MADE #4
DELIVERY TO BE MADE #5
DELIVERY TO BE MADE #6
REQUEST FOR PICKUP #7
DELIVERY TO BE MADE #8
CHANGES BY DRIVER AND UPDATES TO DRIVER
75c
561
LOOK IN ACTIVE DATA BASE FOR NEXT STOPS ON DELIVERY LIST
562
CONTACT NEXT ADDRESS ON STOP LIST
568
ACTIVE DATA BASE OF CUSTOMERS AND DELIVERIES
563
WAIT FOR A RESPONSE FROM CUSTOMER
NO
567
HAS FAILURE STATE BEEN REACHED?
YES
564
DID CUSTOMER ANSWER OR RESPOND?
NO
YES
565
SHOW CUSTOMER IS AVAILABLE FOR DELIVERY
566
SHOW RESPONSE FAILURE STATE FOR THIS CUSTOMER

FIG. 31

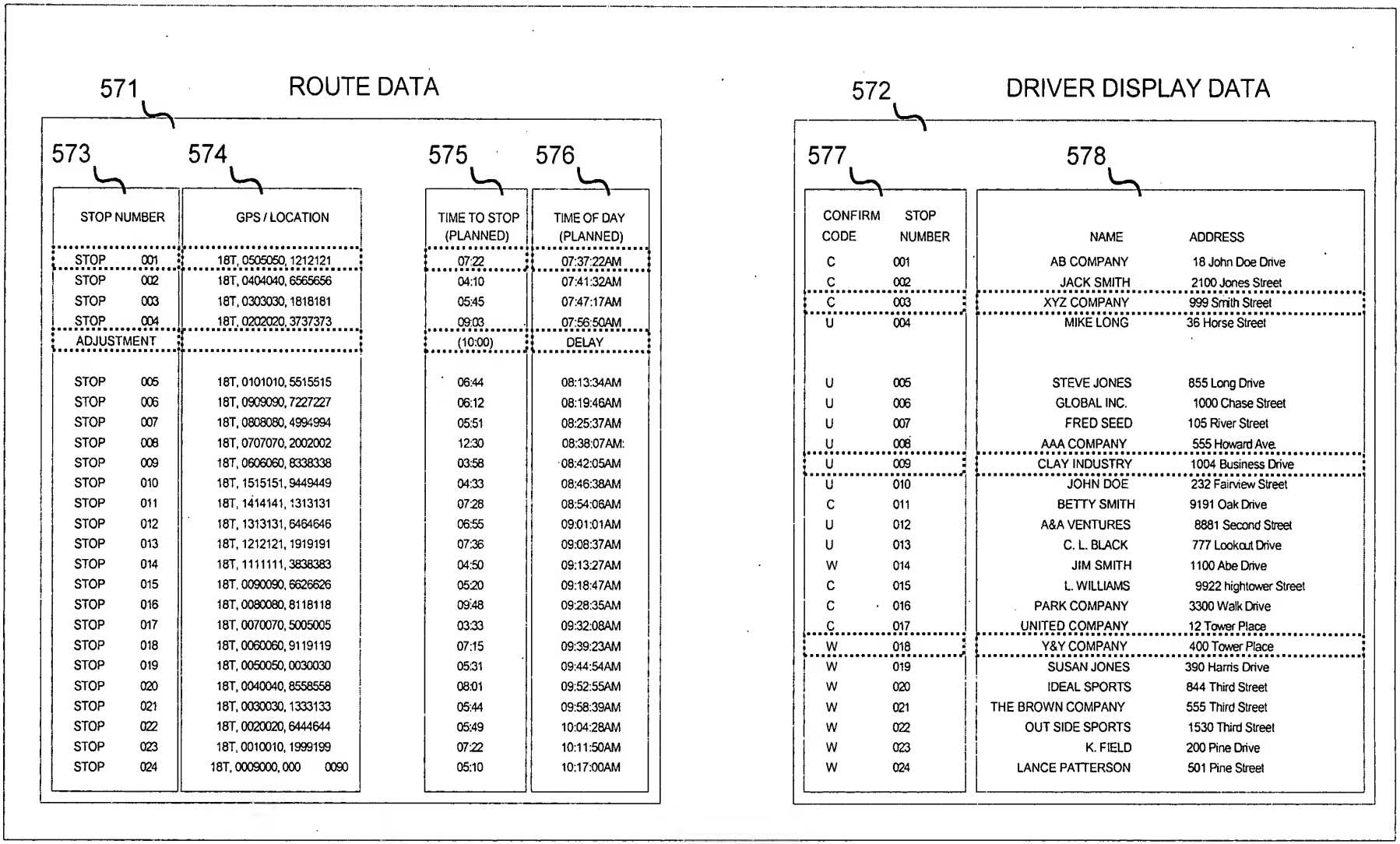

571
ROUTE DATA
573
574
575
576
STOP NUMBER
GPS / LOCATION
TIME TO STOP (PLANNED)
TIME OF DAY (PLANNED)
STOP 001 18T, 0505050, 1212121 07:22 07:37:22AM
STOP 002 18T, 0404040, 6565656 04:10 07:41:32AM
STOP 003 18T, 0303030, 1818181 05:45 07:47:17AM
STOP 004 18T, 0202020, 3737373 09:03 07:56:50AM
ADJUSTMENT (10:00) DELAY
STOP 005 18T, 0101010, 5515515 06:44 08:13:34AM
STOP 006 18T, 0909090, 7227227 06:12 08:19:46AM
STOP 007 18T, 0808080, 4994994 05:51 08:25:37AM
STOP 008 18T, 0707070, 2002002 12:30 08:38:07AM
STOP 009 18T, 0606060, 8338338 03:58 08:42:05AM
STOP 010 18T, 1515151, 9449449 04:33 08:46:38AM
STOP 011 18T, 1414141, 1313131 07:28 08:54:06AM
STOP 012 18T, 1313131, 6464646 06:55 09:01:01AM
STOP 013 18T, 1212121, 1919191 07:36 09:08:37AM
STOP 014 18T, 1111111, 3838383 04:50 09:13:27AM
STOP 015 18T, 0090090, 6626626 05:20 09:18:47AM
STOP 016 18T, 0080080, 8118118 09:48 09:28:35AM
STOP 017 18T, 0070070, 5005005 03:33 09:32:08AM
STOP 018 18T, 0060060, 9119119 07:15 09:39:23AM
STOP 019 18T, 0050050, 0030030 05:31 09:44:54AM
STOP 020 18T, 0040040, 8558558 08:01 09:52:55AM
STOP 021 18T, 0030030, 1333133 05:44 09:58:39AM
STOP 022 18T, 0020020, 6444644 05:49 10:04:28AM
STOP 023 18T, 0010010, 1999199 07:22 10:11:50AM
STOP 024 18T, 0009000, 000 0090 05:10 10:17:00AM
572
DRIVER DISPLAY DATA
577
578
CONFIRM CODE
STOP NUMBER
NAME
ADDRESS
C 001 AB COMPANY 18 John Doe Drive
C 002 JACK SMITH 2100 Jones Street
C 003 XYZ COMPANY 999 Smith Street
U 004 MIKE LONG 36 Horse Street
U 005 STEVE JONES 855 Long Drive
U 006 GLOBAL INC. 1000 Chase Street
U 007 FRED SEED 105 River Street
U 008 AAA COMPANY 555 Howard Ave.
U 009 CLAY INDUSTRY 1004 Business Drive
U 010 JOHN DOE 232 Fairview Street
C 011 BETTY SMITH 9191 Oak Drive
U 012 A&A VENTURES 8881 Second Street
U 013 C. L. BLACK 777 Lookout Drive
W 014 JIM SMITH 1100 Abe Drive
C 015 L. WILLIAMS 9922 hightower Street
C 016 PARK COMPANY 3300 Walk Drive
C 017 UNITED COMPANY 12 Tower Place
W 018 Y&Y COMPANY 400 Tower Place
W 019 SUSAN JONES 390 Harris Drive
W 020 IDEAL SPORTS 844 Third Street
W 021 THE BROWN COMPANY 555 Third Street
W 022 OUT SIDE SPORTS 1530 Third Street
W 023 K. FIELD 200 Pine Drive
W 024 LANCE PATTERSON 501 Pine Street

FIG.32

File Edit Go To Mail Members Window Help
Setting Up Responses To Notification Messages
Responses May Help To Verify That Each Recipient
Has Received An Notification Message
581
WOULD YOU LIKE TO SET UP
NOTIFICATION RESPONSES
OR CONFIRMATIONS TO
NOTIFICATION MESSAGES?
YES
NO
HELP
Start
Notification
2:15
PM

FIG. 33

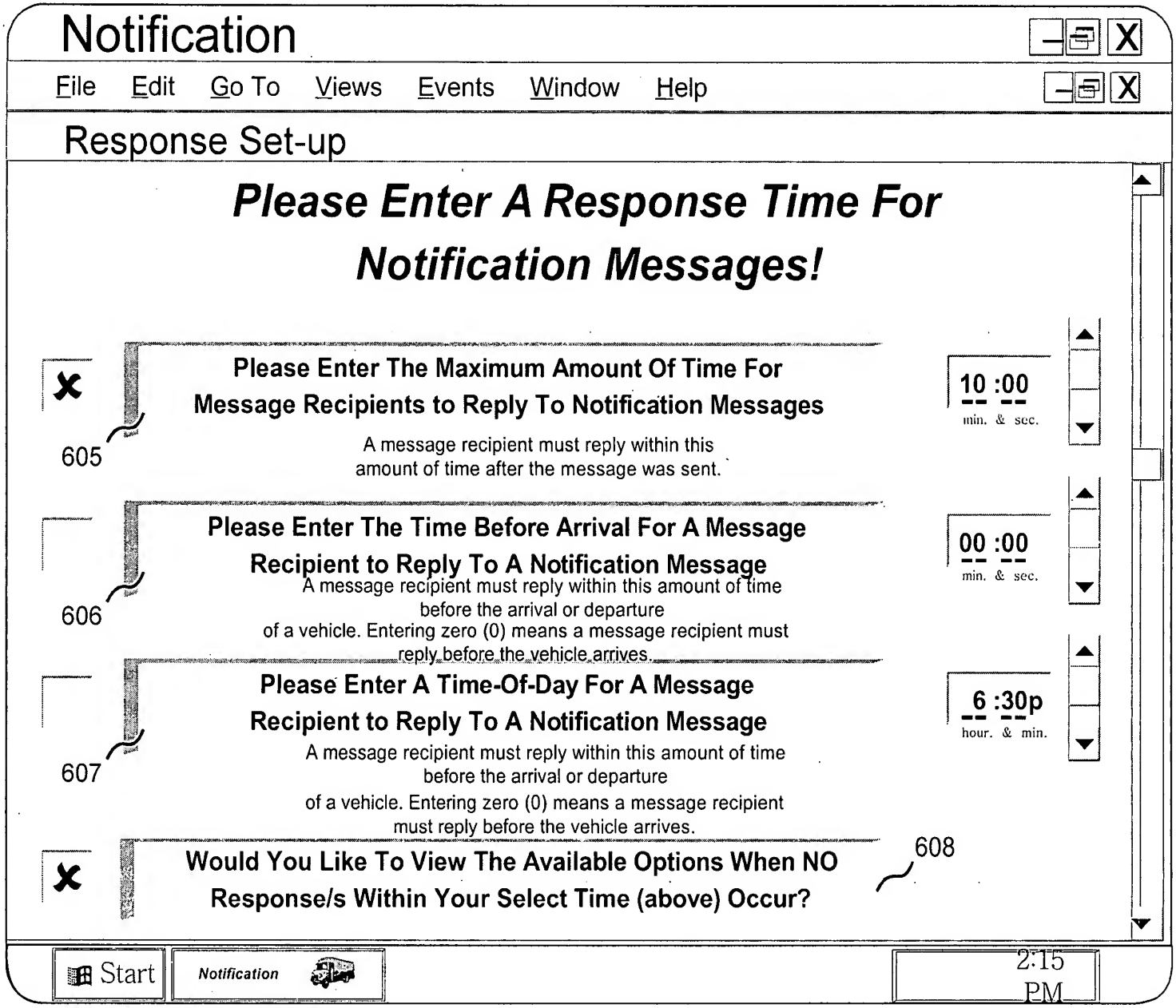

Notification
File Edit Go To Views Events Window Help
Response Set-up
Please Enter A Response Time For Notification Messages!
Please Enter The Maximum Amount Of Time For Message Recipients to Reply To Notification Messages
A message recipient must reply within this amount of time after the message was sent.
10 :00
min. & sec.
605
Please Enter The Time Before Arrival For A Message Recipient to Reply To A Notification Message
A message recipient must reply within this amount of time before the arrival or departure of a vehicle. Entering zero (0) means a message recipient must reply before the vehicle arrives.
00 :00
min. & sec.
606
Please Enter A Time-Of-Day For A Message Recipient to Reply To A Notification Message
A message recipient must reply within this amount of time before the arrival or departure of a vehicle. Entering zero (0) means a message recipient must reply before the vehicle arrives.
6 :30p
hour. & min.
607
Would You Like To View The Available Options When NO Response/s Within Your Select Time (above) Occur?
608
Start
Notification
2:15 PM

FIG. 34

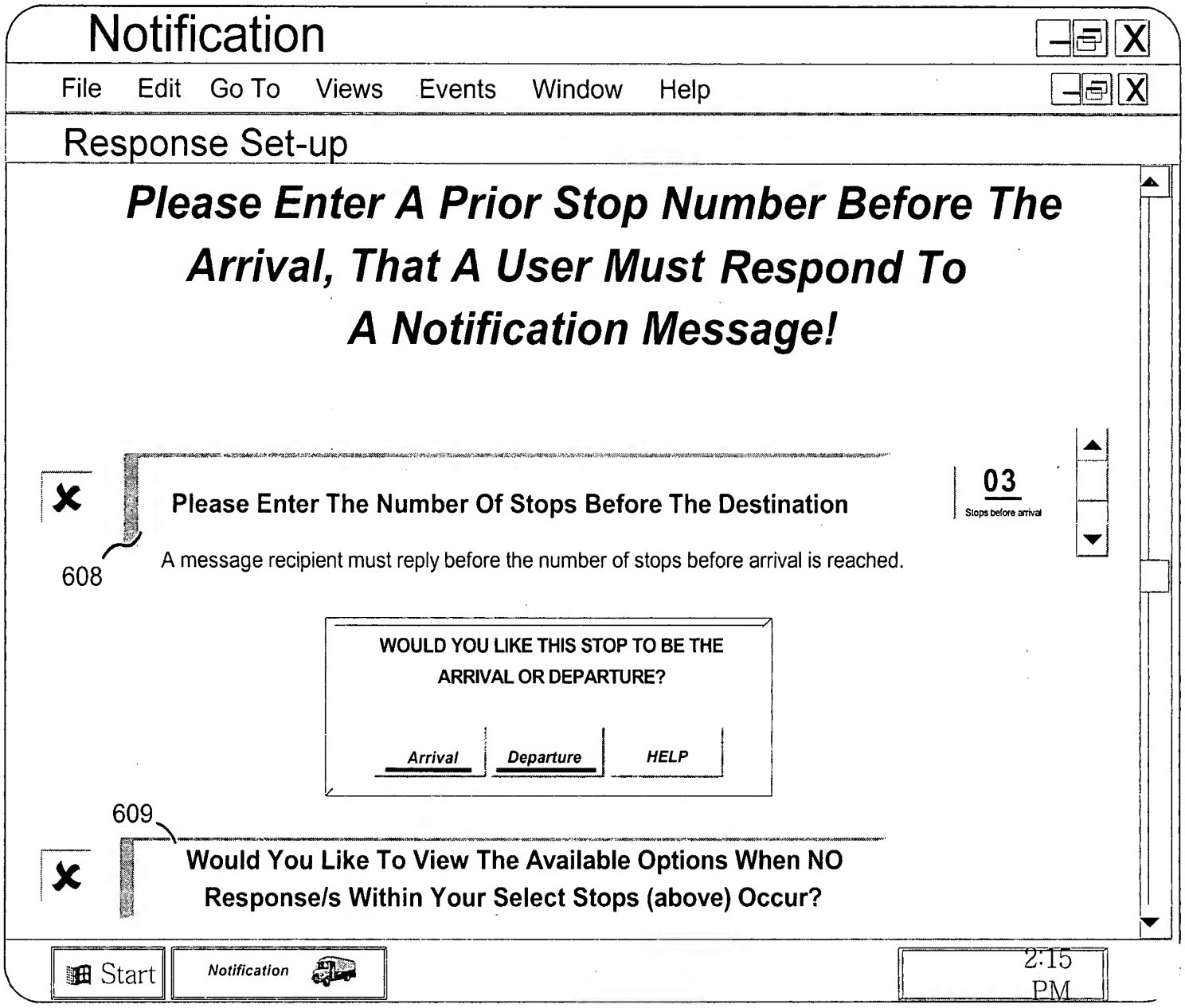

Notification
File Edit Go To Views Events Window Help
Response Set-up
Please Enter A Prior Stop Number Before The Arrival, That A User Must Respond To A Notification Message!
Please Enter The Number Of Stops Before The Destination
03
Stops before arrival
608
A message recipient must reply before the number of stops before arrival is reached.
WOULD YOU LIKE THIS STOP TO BE THE ARRIVAL OR DEPARTURE?
Arrival
Departure
HELP
609
Would You Like To View The Available Options When NO Response/s Within Your Select Stops (above) Occur?
Start
Notification
2:15 PM

FIG. 35

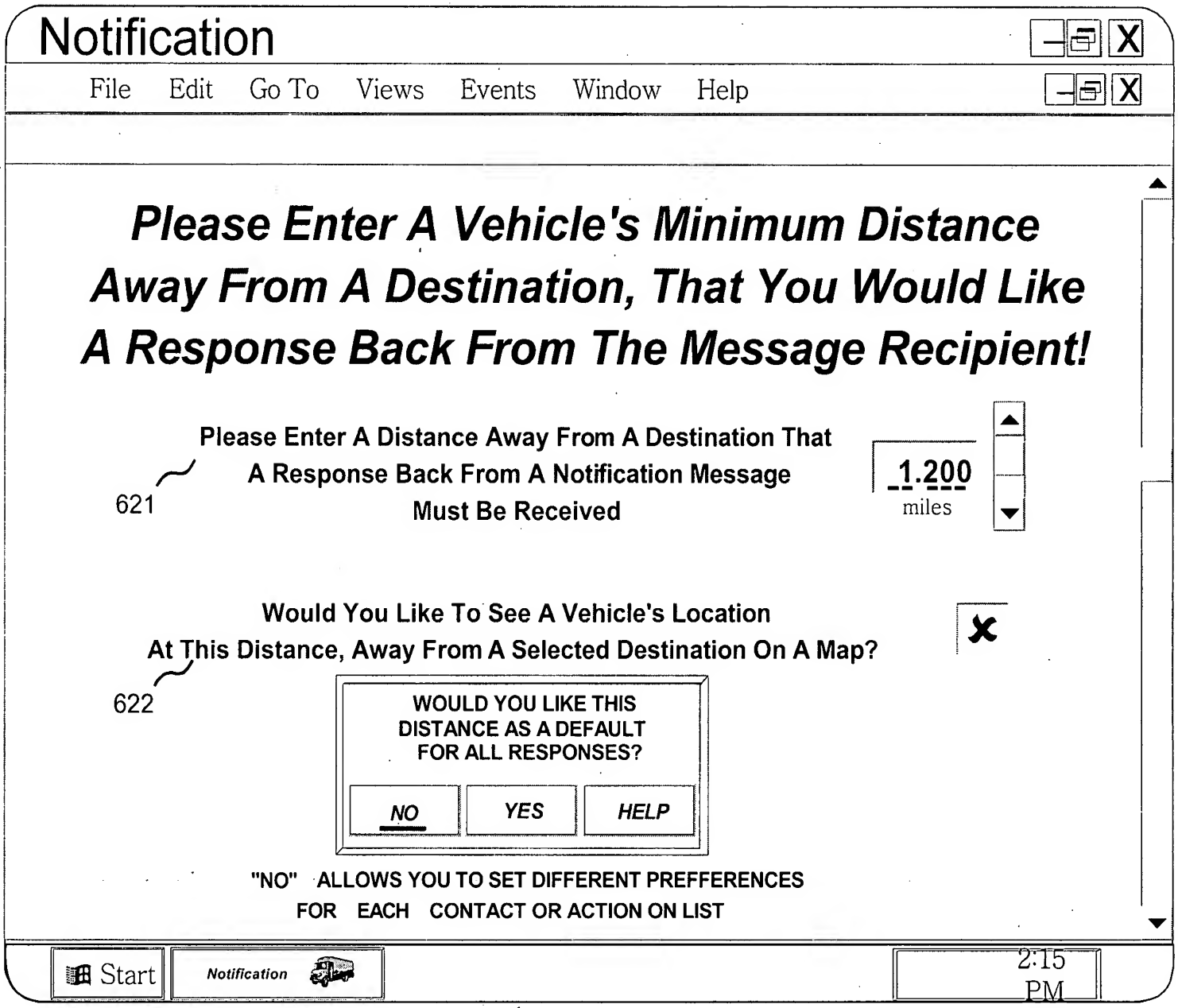

Notification
File Edit Go To Views Events Window Help
Please Enter A Vehicle's Minimum Distance Away From A Destination, That You Would Like A Response Back From The Message Recipient!
Please Enter A Distance Away From A Destination That A Response Back From A Notification Message Must Be Received
621
1.200
miles
Would You Like To See A Vehicle's Location At This Distance, Away From A Selected Destination On A Map?
622
WOULD YOU LIKE THIS DISTANCE AS A DEFAULT FOR ALL RESPONSES?
NO
YES
HELP
"NO" ALLOWS YOU TO SET DIFFERENT PREFFERENCES FOR EACH CONTACT OR ACTION ON LIST
Start
Notification
2:15 PM

FIG. 36

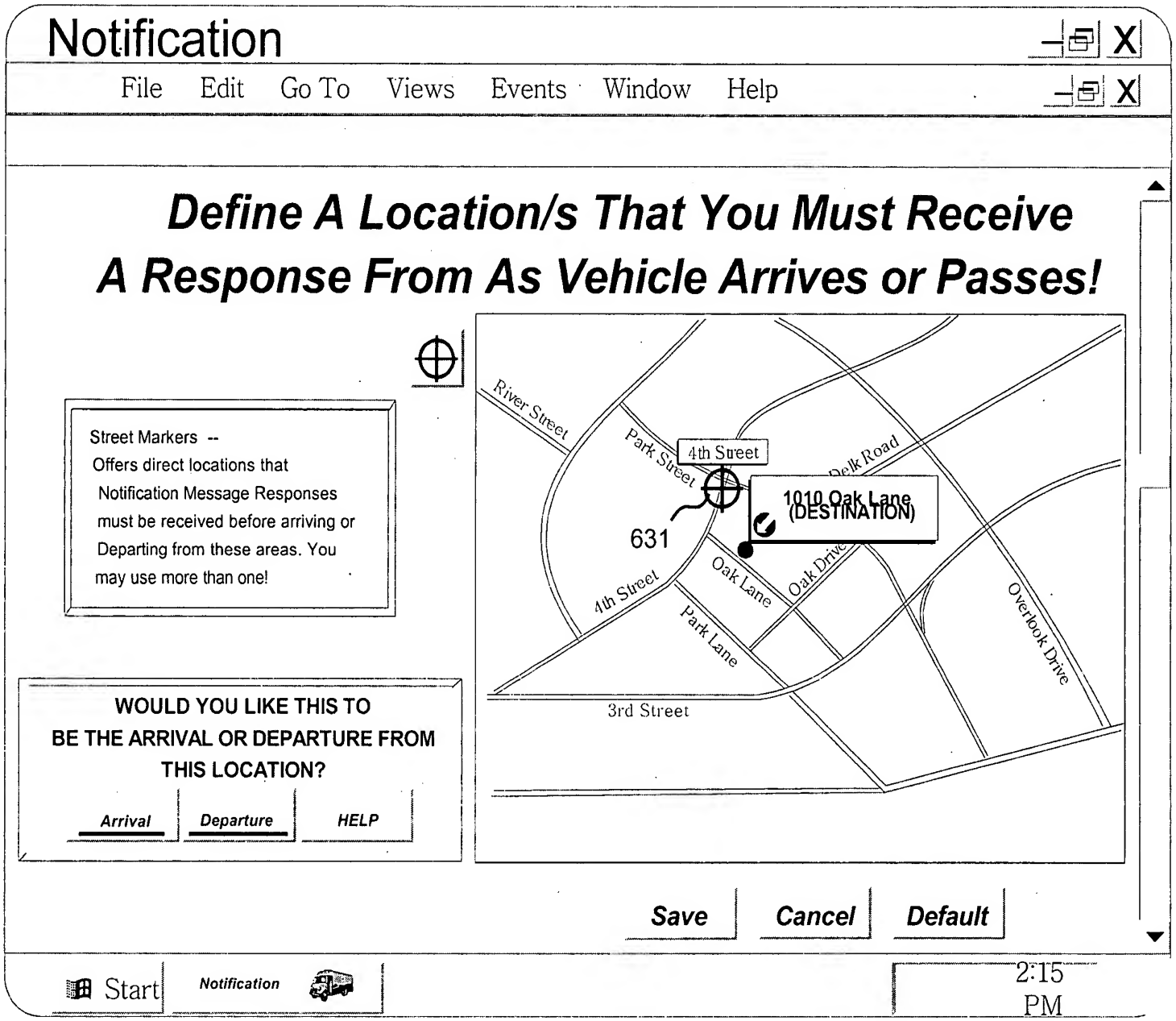

Notification
File Edit Go To Views Events Window Help
Define A Location/s That You Must Receive
A Response From As Vehicle Arrives or Passes!
Street Markers --
Offers direct locations that
Notification Message Responses
must be received before arriving or
Departing from these areas. You
may use more than one!
WOULD YOU LIKE THIS TO
BE THE ARRIVAL OR DEPARTURE FROM
THIS LOCATION?
Arrival
Departure
HELP
River Street
Park Street
4th Street
Delk Road
1010 Oak Lane
(DESTINATION)
631
4th Street
Oak Lane
Oak Drive
Park Lane
Overlook Drive
3rd Street
Save
Cancel
Default
Start
Notification
2:15
PM

FIG. 37

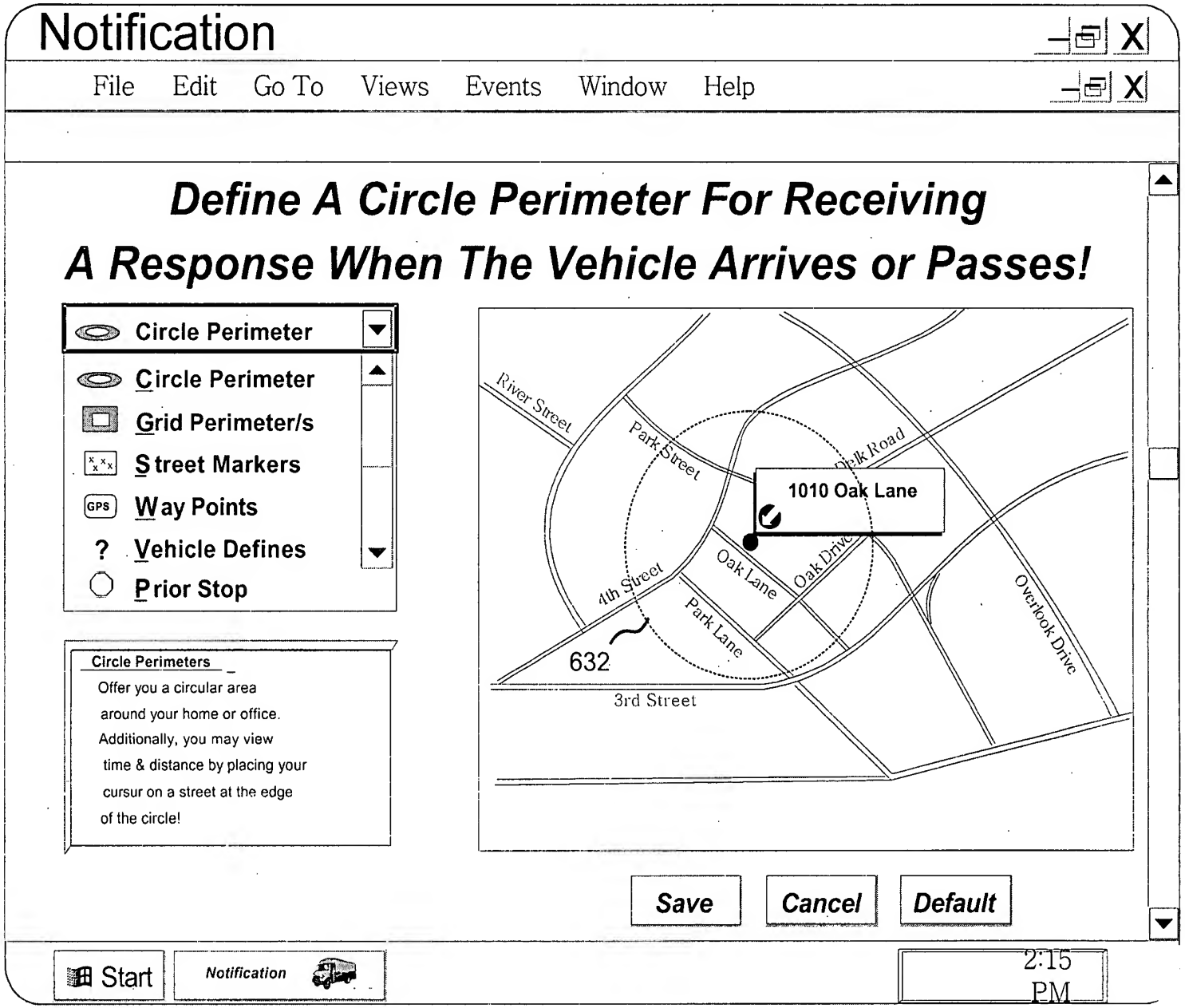

Notification
File Edit Go To Views Events Window Help
Define A Circle Perimeter For Receiving
A Response When The Vehicle Arrives or Passes!
Circle Perimeter
Circle Perimeter
Grid Perimeter/s
Street Markers
Way Points
Vehicle Defines
Prior Stop
Circle Perimeters
Offer you a circular area around your home or office. Additionally, you may view time & distance by placing your cursur on a street at the edge of the circle!
River Street
Park Street
Oak Road
1010 Oak Lane
Oak Lane
Oak Drive
4th Street
Park Lane
632
3rd Street
Overlook Drive
Save
Cancel
Default
Start
Notification
2:15 PM

FIG. 38

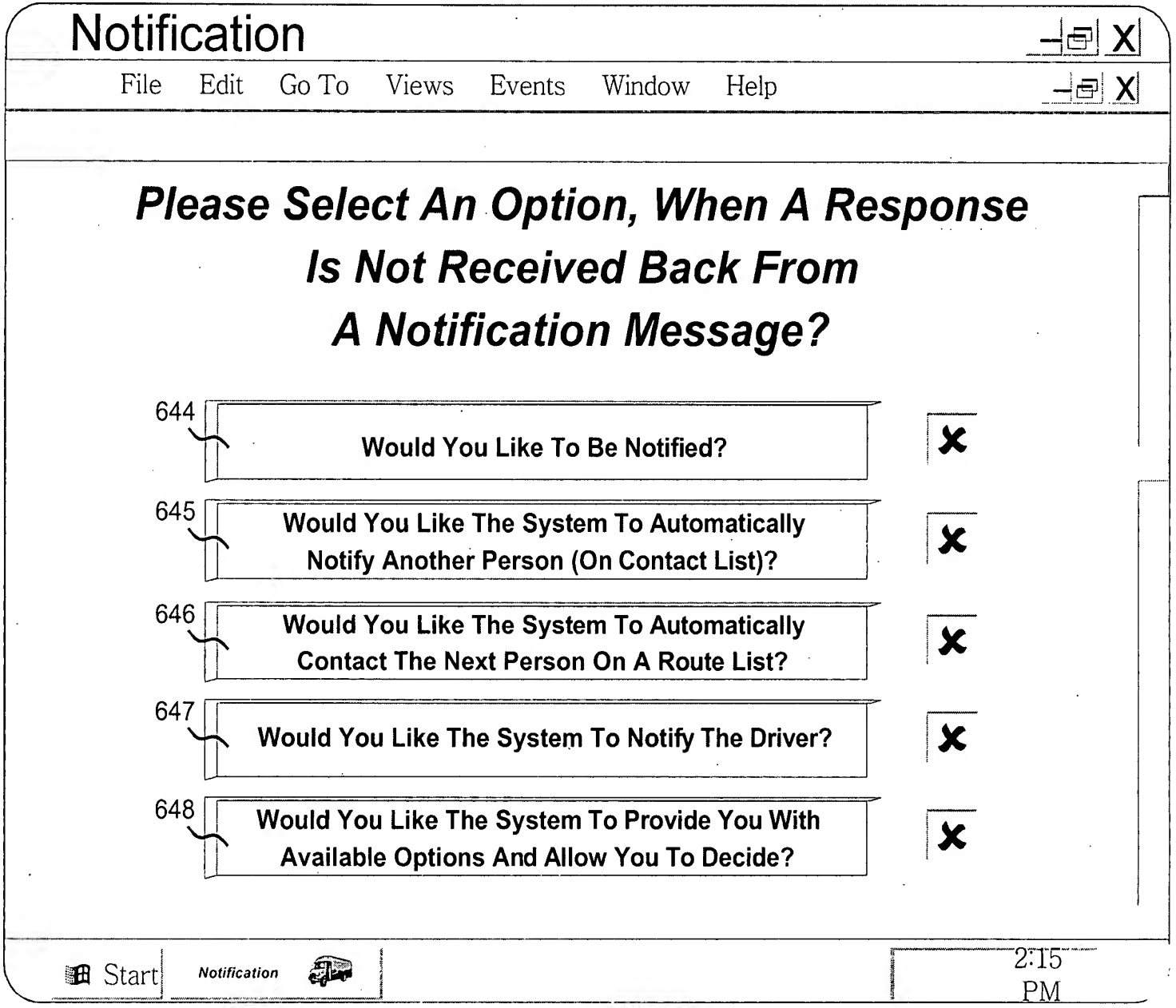

Notification
File Edit Go To Views Events Window Help
Please Select An Option, When A Response Is Not Received Back From A Notification Message?
644
Would You Like To Be Notified?
645
Would You Like The System To Automatically Notify Another Person (On Contact List)?
646
Would You Like The System To Automatically Contact The Next Person On A Route List?
647
Would You Like The System To Notify The Driver?
648
Would You Like The System To Provide You With Available Options And Allow You To Decide?
Start
Notification
2:15 PM

FIG. 39

INTERNET SERVICE PROVIDER
File Edit Go To Views Events Window Help
YOU HAVE RECEIVED NEW MAIL
FROM
SUBJECT
RECEIVED
650
ANS PROVIDER
You Have A Delivery - Please Provide The Time You Will Be Available? 8:45am 01/31/97
Save
Delete
Reply
Start
ISP BROWSER
(CONNECTED)
8:45
AM

FIG. 40

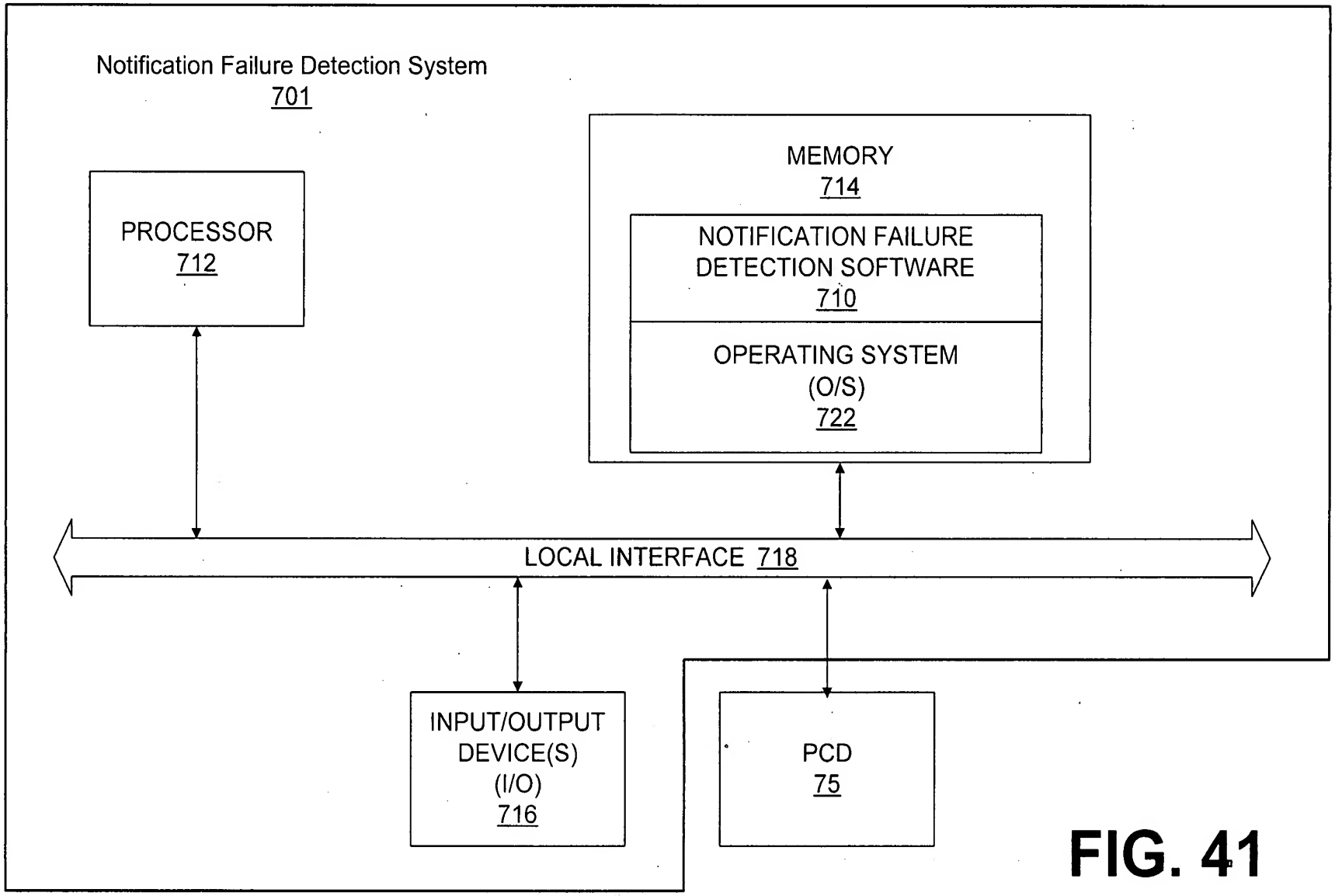

Notification Failure Detection System
701
MEMORY
714
PROCESSOR
712
NOTIFICATION FAILURE
DETECTION SOFTWARE
710
OPERATING SYSTEM
(O/S)
722
LOCAL INTERFACE 718
INPUT/OUTPUT
DEVICE(S)
(I/O)
716
PCD
75

FIG. 41

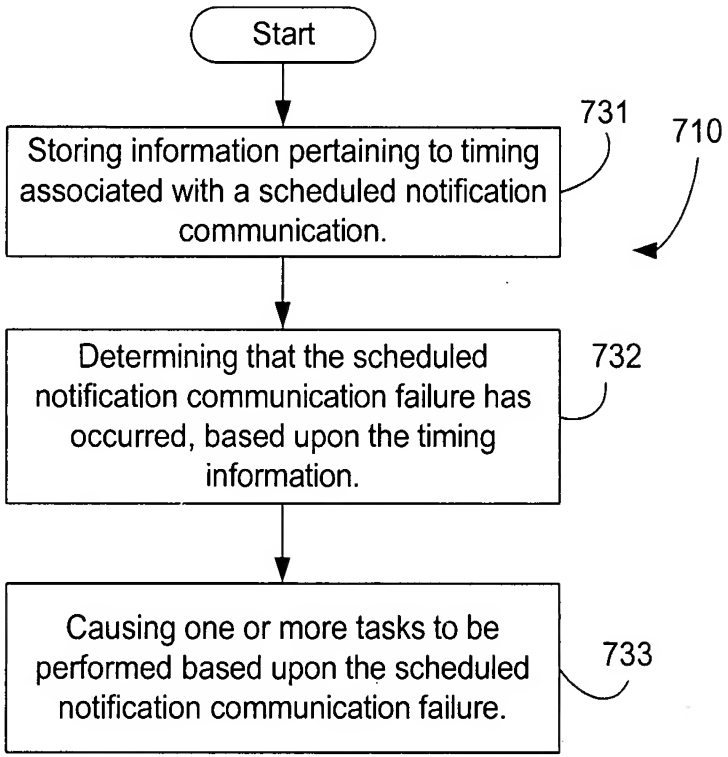

Start
Storing information pertaining to timing associated with a scheduled notification communication.
731
710
Determining that the scheduled notification communication failure has occurred, based upon the timing information.
732
Causing one or more tasks to be performed based upon the scheduled notification communication failure.
733

FIG. 42